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The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER MANUFACTURER



Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

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JUNE 3, 1939

Annual Subscription (with
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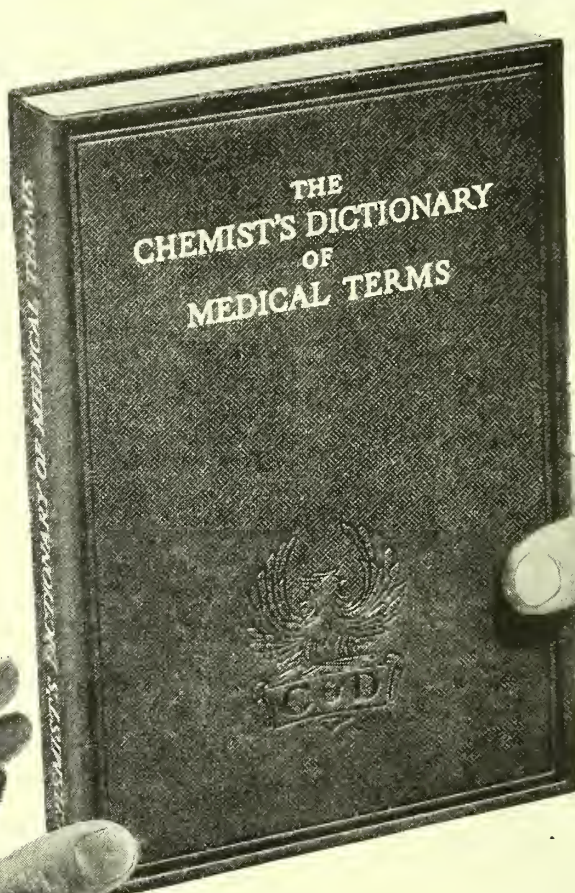
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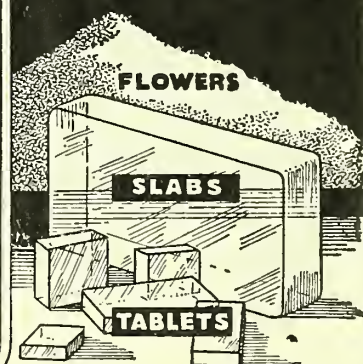
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**PURE
B.P.**

a new appeal that *makes appealing* **NEWS**

Atkinsons are taking advantage of the present charming fashion among women of wearing real flowers to run a novel scheme that is bound to have an immediate effect on sales. With each bottle of Atkinsons True Flower Perfume there is an invitation card entitling the buyer to a buttonhole of fresh real flowers. All she needs do is to take the card to one of the florists displaying the Atkinsons showcard and she will receive her buttonhole free of all charge.

Atkinsons True Flower Perfumes themselves tie up with the prevailing tendency towards light-hearted, fresh scents. And this original offer will appeal to all women who, with the present fashions in dress, adopt the youthful, swinging lines and lovely fabrics that call for real flowers to complete their effect.

Such a scheme provides a very real chance for you. No redeeming of tokens or any form of additional work. But this offer, combined with the ever increasing popularity of the authentic flower perfumes, will bring a steady increase to your profits. Stock up now with Atkinsons True Flower Perfumes. And, to get the full benefit from the scheme, display prominently the very attractive showcard with an actual buttonhole obtained from the local florists. It's a most compelling sales aid.

Display the **ATKINSONS** **TRUE FLOWER PERFUMES** *"Buttonhole-Scheme" Showcard*

Nine lovely perfumes: LILY OF THE VALLEY • CARNATION
JASMIN • WALLFLOWER • LILAC • FREESIA • VIOLET
NEW-MOWN HAY • SWEET PEA • Prices: 2/6, 4/6, 7/6

WRITE TO ATKINSONS OF BOND STREET, LONDON, FOR FULL DETAILS



Great NEW

The New Icilma Make-up Band

(as used in High-class Beauty Salons.)

FREE with the 1/6
ICILMA BEAUTY SET
containing —

VANISHING CREAM - - 6d
FACE POWDER - - 6d
COLD CREAM - - 6d
Make-up Band **FREE.**

Special set
to retail at

1/6

normal value 4/-



Standard Lines only—no charge for box or Make-up Band

selling idea!

Icilma are offering *free* Make-up Bands. These Make-up Bands, as used in high-class Beauty Salons and sold for 2/6 each, are presented free with the Icilma Home Beauty Treatment Set containing 6d Vanishing Cream, 6d Face Powder, 6d Cold Cream.

Icilma are making a generous new offer that is bound to bring you increased sales. You will be able to give this special NEW Icilma Make-up Band free to every customer who buys the 1/6 Icilma Home Beauty Treatment Set. This Icilma Make-up Band is something women have needed for years, and they will be delighted with it.

It is a splendid practical gift which is certain to please your customers. Made of elastic crepe with art silk faille ribbons in a delicate shell-pink shade, and designed to fit the head snugly, this New Make-up Band is just like those used in high-class Beauty Salons to protect clients' hair during treatment.

It enables women to make up or remove make-up, to cream or powder right up to the hair line without fear of spoiling their front curls.

The Icilma Make-up Band fills a gap on women's dressing-tables. It's useful, it's becoming, it's washable. And it's going to push up the sales of the standard Icilma lines—Icilma Vanishing Cream, Icilma Face Powder, Icilma Cold Cream. (Don't forget the generous profit you get on Icilma lines.)

Our big advertising support will bring a big demand. See that *you* have plenty by ordering now!

The ICILMA HOME BEAUTY TREATMENT SET in an attractive Special pack.

The attractive box containing the Icilma Home Beauty Treatment holds a full-size 6d jar of Icilma Vanishing Cream, a 6d box of Face Powder, and a 6d jar of Cold Cream. There is also an alternative box for those who prefer their cream in tubes. The Face Powder comes in six shades. No charge for box and Make-up Band. Customer buys three standard Icilma lines for 1/6 and gets 4/- value.

Don't Delay. This is a special offer which will prove irresistible to women. They will be delighted to get their Icilma Home Beauty Treatment Set in one box — plus the FREE Make-up Band.

Don't delay a moment in getting an ample stock to meet your customers' demands.

Splendid Advertising Supports—



① **Tremendous National Advertising Campaign**

② **20-colour beautifully tinted display screen**
in two sizes—large for window
small for counter

③ **Leaflets describing offer posted free to YOUR customers under YOUR name**



14/3 per dozen boxes—subject to usual Icilma display terms

THE 'DAWN' RAZOR FOR MORE SALES!



Illustration of 'Dawn' Blade Wallet & Wiper

1/6
COMPLETE
with 6 BLADES

The 'Dawn' Razor offers full value for money. At this low price its quality appeals to every man and its compact and attractive case sells on sight.

'Dawn' Blades—the finest Penny Blade—have a new

sales appeal in the 'Dawn' Wallet. Contains 6 blades with special wiper for drying blades. No extra cost for this pack.

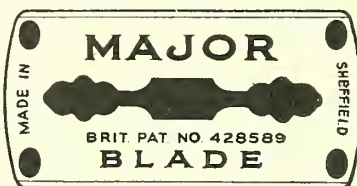
The World Shaves with the—
DAWN
RAZOR & BLADES

Sole Makers: JAMES NEILL & CO. (Sheffield) LTD.

E156

SOMETHING NEW FOR CHEMISTS

Retail
1d.
each



Retail
4
for
4d.

The Slotted "Major" Blade fits Three-peg and Bar-Type Razors.

SAMPLE AND TERMS FROM—

DOMINION STEEL CORPN., LTD.
FLEET WORKS, QUEEN'S ROAD, SHEFFIELD, 2

"ODENTIC" PLATE BRUSH

Regd. No. 447657

To Retail at
1/6

Trade 12/9 doz.
From Your Wholesaler

— or —
W. R. SPEER & SON,
215 Dalston Lane,
London, E.8 (EST. 100 YEARS)

Caradium

HAIR RESTORER

The Recognised Preparation for Restoring Grey Hair. IT IS NOT A DYE

CARADIUM enjoys a wonderful popularity with the Public as a unique preparation that is really SAFE and EFFECTIVE for restoring the colour to grey or faded hair. It contains radio active water that ensures success when other treatments fail.

CARADIUM is NATIONALLY ADVERTISED. Make sure you have sufficient stocks of this wonderful seller.

Retail prices 4/- and 7/6. Wholesale, 25% allowed on ½ Dozen and over.

CARADIUM REGD., 38 GT. SMITH STREET, WESTMINSTER, LONDON, S.W.1



THE *Glamour* CURLS ARE HERE!

Alura is a quick seller *now*. It will be a "best seller" shortly. "Glamour Curls," the theme of a striking new advertising campaign is going to set the cash till bells ringing! So stock up without delay—remembering that there is an 'Alura' colour for every shade of hair—Black, Brown, Auburn, Light Chestnut, Blonde. Also Natural for White or Bleached Hair. Guaranteed Harmless. *Not* a dye. Carriage paid on orders of 2 doz. C. Nestlé & Co., Ltd., 465, Holloway Road, London, N.7.

EVERY CHEMIST "HEADING"
FOR BIGGER SALES OF

ALURA

COLOUR WAVE SET
A NESTLÉ PRODUCT

AL6

Nature's Golden Gift for Health & Beauty



You can sell more Olive Oil—but only if it is of unblemished character to obtain sure benefits to the user. Recommend Olive Oil—but for your prestige's sake sell only Samaritan.

We will gladly send you a sample bottle on request.

THORNTON & ROSS LTD
Manufacturing Chemists
LINTHWAITE
HUDDERSFIELD



Without any reservation whatever, we can claim that there is no finer olive oil than Samaritan. See how it gleams with golden goodness—the gleam of purity—for it is unblended—a virgin oil from the first pressing of the fruits known as "Grower's Selection."

SAMARITAN is the triple purpose oil. As a food it is nutritious and digestible; as a medicine it quickly re-invigorates after sickness; as a cosmetic it assists the skin to health and beauty.

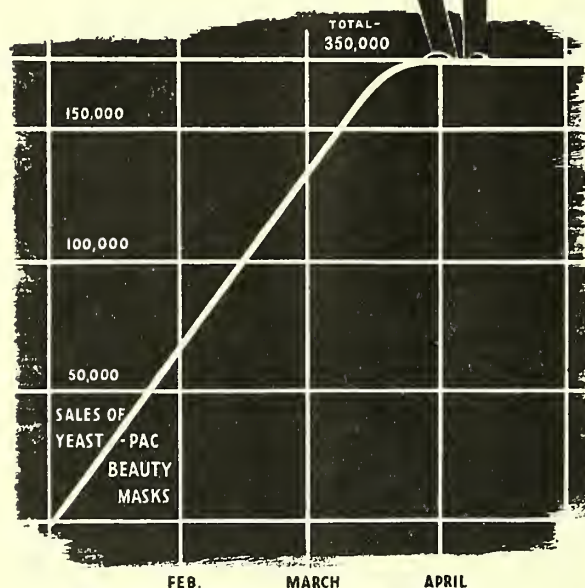
SAMARITAN

REGD.



TAEI

**THERE'S A GOLD
MINE UP HERE!**



This graph represents sales of Yeast-Pac in three months through 600 shops ONLY.* It is significant that a recent research proves that Yeast-Pac was prominently displayed in all these 600 shops. Are you displaying Yeast-Pac?

* Figures plotted on graph are therefore only a proportion of TOTAL Yeast-Pac sales for the period shown.

350,000

Yeast-Pac beauty masks were sold by

600

Shops who DISPLAYED
Yeast-Pac during the last

3 months

*Display Yeast-Pac
— it Pays*

Sole Distributors:

Newbery & Phillips Ltd., 31 Banner St., E.C.1

ROWLAND'S Macassar Oil

This universally advertised hair tonic, for all shades of hair, sells to a good class of public and brings steady profit to the seller.

It promotes the growth, gives life and lustre and long delays baldness. For over 145 years it has been recognised as an effective hair tonic.

3/6, 7/- and 10/6



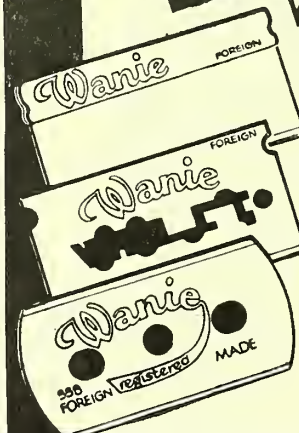
Regd. Trade Mark

A. ROWLAND & SONS, LTD.

22 Laystall Street, Rosebery Avenue
LONDON, E.C.1

WANIE BLADES

KEEN EDGES
KEEN PRICES



Your profit is 33½ to 45% every time you hand a customer a packet of Wanie Blades.

THREE HOLE TYPE
8/- gross. Retail 12 for 1/-

AUTO TYPE
9/- 100. Retail 10 for 1/8

SINGLE EDGE TYPE
9/- 100. Retail 10 for 1/8

DISPLAY SHOWCARDS
FREE TO ALL STOCKISTS

Dealers and Wholesalers
should write for FREE
SAMPLES and Trade Terms.

LONDON & PROVINCIAL FACTORS LIMITED
146, THEOBALDS ROAD, LONDON, W.C.1.
and at 16 Withy Grove, Manchester.

And now—



ANZORA

VIOLA AND CREAM

at 6^D

ANZORA is now obtainable in a new 6d size at the wholesale price of 4/- per dozen. This new pack is an addition to the Anzora range and the 9d, 1/3d and 2/3d sizes remain as before.

ANZORA national advertising will be increased and special announcements of the new 6d size prominently featured.

ANZORA will reap new profits for you throughout the summer. The convenient new 6d size comes at a time when your sales of hair fixatives are at their peak.

ANZORA should be stocked now to meet the extra demand this new size is bound to create.

Sole Distributors:
BRITISH & INTERNATIONAL PROPRIETARIES LTD.,
AFRICA HOUSE, KINGSWAY, LONDON, W.C.2.

CHADE BLADES

BACKED BY ONE OF THE

*Biggest Advertising
Campaigns for Years!*



★ ADVERTISEMENTS every week in **DAILY EXPRESS, DAILY HERALD AND LONDON EVENING PAPERS.**

★ POSTERS on London Buses, The Underground and Transport Delivery Vans

Striking

FACTS ABOUT CHADE BLADES

- 1 Chade Blades are made by one of the largest manufacturers of razor blades, in a model factory equipped with new machinery of the latest and most scientific type.
- 2 Manufacture is backed by unrivalled experience of Super Chrome Steel, the Servo process and the successful achievement of keen lasting cutting edges.
- 3 The Grand Prix and Gold Medal Awards received at World Exhibitions, Paris 1937 and Brussels, 1935, cannot be paralleled by any other razor blade makers.
- 4 Chade Blades are made to the proved scientifically perfect standards of thinness for building keen and lasting cutting edges.

THERE ARE FOUR CHADE QUALITIES

SPECIAL (3-Hole) - - 1d. Trade Discounts $\frac{1}{2}$ -gross upwards
THIN DE LUXE (3-Hole) 2d. 33 $\frac{1}{3}$ % and 2 $\frac{1}{2}$ % cash.
SLOTTED DE LUXE - 2d. ORDER FROM YOUR
STAINLESS (3-hole) - 3d. USUAL WHOLESALE

*The Keenest
Blade - is* **CHADE**

Made in England by **CHADE MANUFACTURING CO. LTD.**
 135 Shepherdess Walk, N.1 (Telephone : Clerkenwell 1572)



ESTABLISHED
1904

*Specialists
in the manufacture
of
Tablets
and
Pills*

Over 30 years of Specialised Manufacturing Experience

assure you of

QUALITY and ACCURACY

Our **PRICES** are **COMPETITIVE**

Special Quotations for Wholesale Quantities or Export, packed or in bulk

EYETABS



Self-contained eyebath with lid and tube containing tablets for making an effective eye lotion.

Easily carried in handbag or pocket.

12/- a doz. to retail at 1/6 each

Refills

8/- a doz. to retail at 1/- each

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Watford

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3612

Telegrams :
"Science"

SPETON
THE IDEAL
CONTRACEPTIVE

Highly recommended
by the MEDICAL
PROFESSION

TRADE MARK
SPETON
Sepsic & Prophylactic Tablets
Known to the Medical Profession as Spermathanone

LIBERAL PROFITS
TUBES OF 12
TABLETS 3/6

Showcards and
Display Material will
gladly be sent on
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Sole Concessionaires for the U.K. and Dominions
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SOUTHALLS
Soluble
THE IMPROVED
'Celtex'

With the new closely woven
gauze

Parcelled inside Display Cartons

FROM YOUR WHOLESALE HOUSE

BATTLE'S VERMIN KILLER	IN PACKETS	
	5d., 9d., 1/3, 2/6, 5/-	P.A.T.A.
BATTLE'S LIQUID RAT EXTERMINATOR	WHOLESALE AT	
	3/6, 5/6, 9/-, 18/-, 36/-	per doz.
	IN BOTTLES	
	1/6, 2/9, 5/-	P.A.T.A.
	WHOLESALE AT	
	12/-, 22/-, 45/-	per doz.

Order some today from your wholesaler

THE 'MOTHAK' SEASON IN FULL SWING

'MOTHAK' sales this year have beaten all records every month!

Many people very wisely hang MOTHAKS in March at the time the eggs are laid; the majority however wait till the weather gets warm and they actually see the moths. See the chart below.

You can make quick sales and big profits in the next few months by showing MOTHAKS, and for a display in your window in June we make the following attractive offers:—

		Sells for	Costs	Less 5% Cash with Order	Profit
No. 1.	2-gross MOTHAKS - 3-dozen Bonus	£8 2 0	£4 16 0	£4 11 3	£3 10 9
No. 2.	1-gross " - 1-dozen "	£3 18 0	£2 8 0	£2 5 8	£1 12 4
No. 3.	$\frac{1}{2}$ -gross " - $\frac{1}{4}$ -dozen "	£1 17 6	£1 4 0	£1 2 10	£0 14 8

Only available from June 5th to June 19th.

THIS CHART SHOWS
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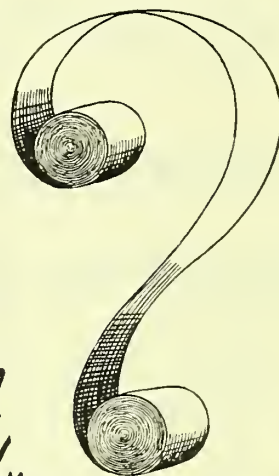
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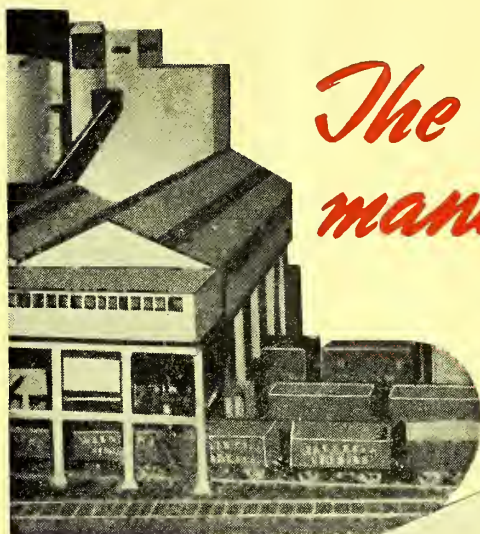
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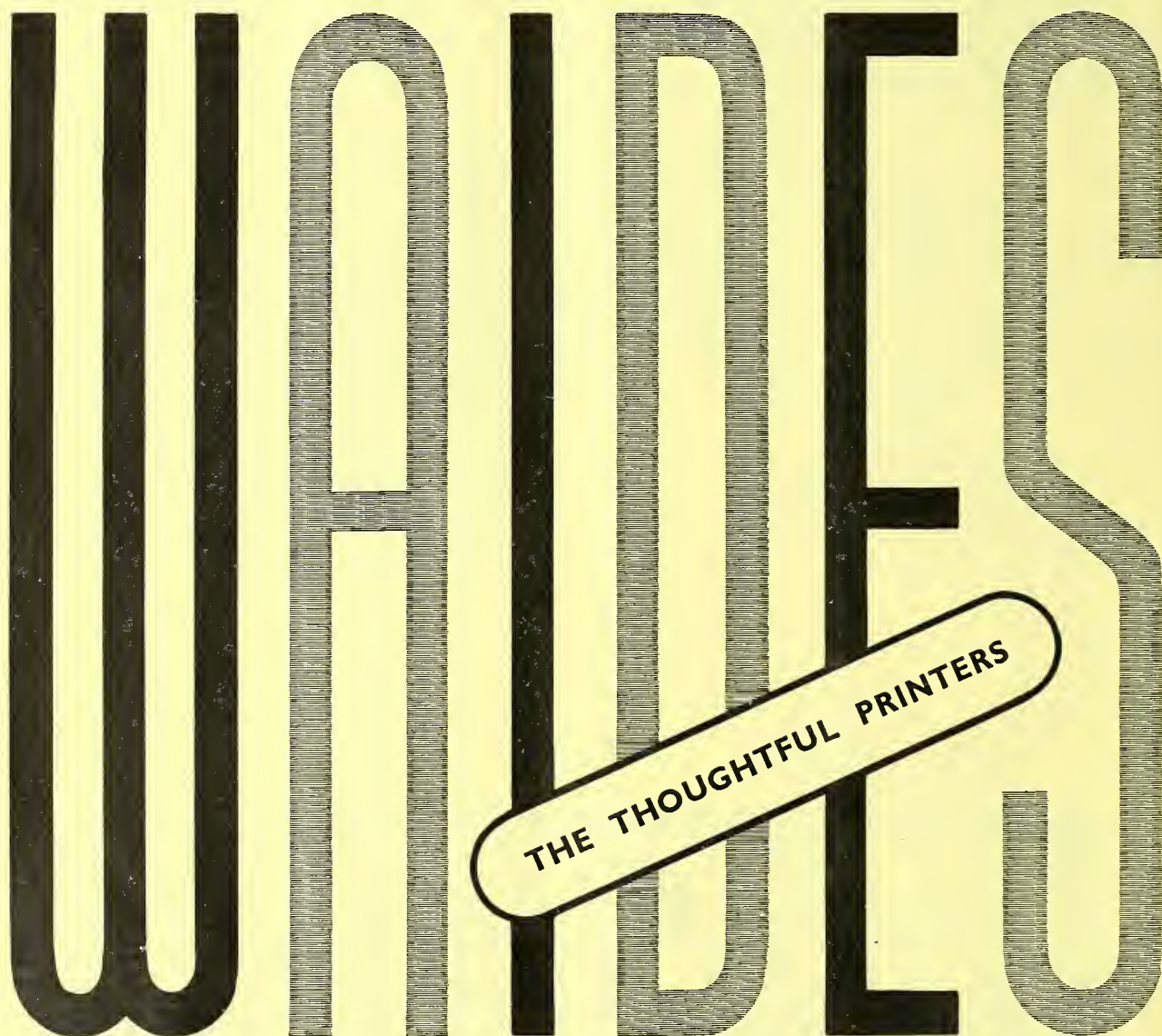


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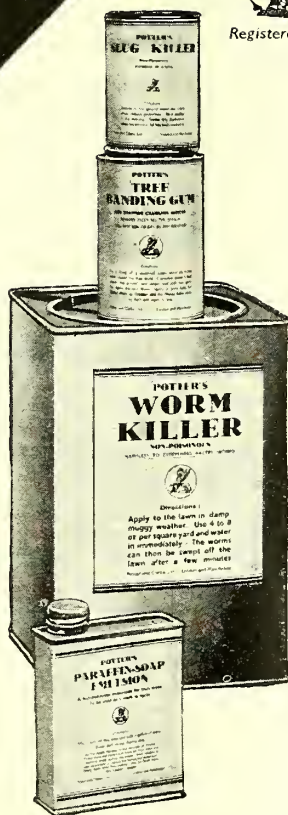
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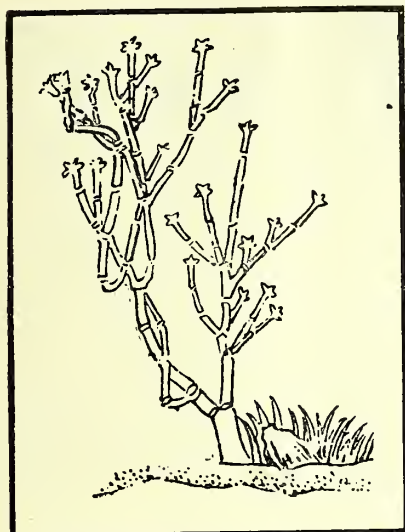
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News of the Week

Chemists' Friends Council

An application by Kaylene, Ltd., London, N.W.2, for inclusion of their goods in the Chemists' Friends list was approved at the last meeting of the Chemists' Friends Council.

Proprietary Articles Trade Association

ADDITION TO PROTECTED LIST.—*Continental Laboratories, Ltd.*, Carovit brand chlorophyll tablets, new sizes: 250 tablets, 8s. 6d., 72s. doz.; 1,000 tablets, 27s. 6d., 231s. doz., less 3½ per cent. cash 10 days or 2½ per cent. one month.

Key Industries Notice

In exercise of their power under Section 5 (3) of the Finance Act, 1936, the Board of Trade have amended List H, issued in 1921 under Section 1 (5) of the Safeguarding of Industries Act, 1921, defining the chemicals to be taken as falling under the general description in the Schedule to that Act, by adding the words "of a purity not less than 95 per cent. excluding moisture" to the items SILVER CHLORIDE and SILVER SULPHIDE. This amendment takes effect as from May 30, 1939.

Deputations to M.P.s

NORTH-EAST LANCASHIRE BRANCH.—A deputation of the North-East Lancashire Branch of the Pharmaceutical Society, including Mr. Emeric Eccles (president) and Mr. F. Gillibrand (secretary), met Captain G. S. Elliston, M.P. for Blackburn, on May 20, when matters of interest to the profession were discussed. The chemists were assured of Captain Elliston's fullest sympathy with their views.

M.P. PROMISES HELP.—A deputation from the Nottingham Branch of the Pharmaceutical Society interviewed the Solicitor-General (Sir Terence O'Connor) and Mr. L. H. Gluckstein on May 23 and placed before them arguments against repeal of the medicine-stamp duty as proposed in the Budget. Mr. Gluckstein promised to make representations to the Chancellor to see whether he could not consider some machinery by which the interests of a valuable section of the medical service of the country could be protected from invasion by unqualified persons.

LIVERPOOL CHEMISTS IN LONDON.—Objections to the repeal of the patent-medicine duty were voiced by a deputation representing the Liverpool Chemists' Association and the Liverpool Branch of the National Pharmaceutical Union which waited upon certain Liverpool M.P.s in the House of Commons, London, on May 25. The deputation comprised Messrs. H. Humphreys Jones (principal, Liverpool School of Pharmacy), G. L. Clubb, W. E. Shepherd, and Councillor W. J. Tristram (vice-chairman, Liverpool Chemists' Association); the last-named acted as leader. Mr. D. P. Maxwell Fyfe, M.P., presided and there were present Sir Robert Rankin, Sir Edmund Brocklebank and Mr. B. V. Kirby. Councillor Tristram said the worst feature of the proposal to repeal the duty was that

it would be an encouragement to re-introduce secret remedies and encourage the public to purchase them. The effect of indiscriminate distribution would be to postpone proper medical treatment of a complaint. Attention was directed to certain advertisements which had appeared in popular newspapers recommending people to buy advertised preparations for various complaints, and the deputation pointed out it could be serious if there was no check on patent medicines. Chemists, in view of their training, were entitled to preferential treatment in the sale of proprietary medicines. Reference was made to a letter which had been circulated by the manufacturers of proprietary medicines. The deputation admitted that with some of the manufacturers, chemists were unpopular, because they declined to regard medicines simply as a commodity to be freely distributed. In many instances chemists would refer a patient for proper medical treatment rather than sell a medicine put out by a manufacturer. Chemists were conscious of their responsibility to the public and were anxious fully to discharge their duties. Mr. H. Humphreys Jones said that 85 per cent. of drugs were not governed by the Dangerous Drugs Act or the various poisons Acts, but that did not imply they were harmless. Articles like aspirin and bromides were cited as drugs that should not be sold freely and which the public should not take without the warning which a chemist was qualified to give.

The deputation asked Liverpool M.P.s to use their influence with the Chancellor of the Exchequer to prevent repeal of the duty and, if they were not successful, to ask for a postponement to give chemists an opportunity of considering their position. Mr. Maxwell Fyfe expressed appreciation of the manner in which the Liverpool chemists had put forward their case, which he would put before his colleagues for their consideration.

Birmingham

PHARMACISTS' EXAMINATION SUCCESSES.—Mr. T. L. Bowyer, M.P.S., A.I.C. (department of pharmacy and biology, Central Technical College, Birmingham), has passed the examination for election as a Fellow of the Institute of Chemistry. The subject taken was inorganic chemistry. Mr. J. T. Young, Ph.C. (also of the College), has passed the examination in general chemistry for Associateship of the Institute.

COLLEGE OUTING.—On May 10 a party from the Birmingham College of Pharmacy visited the Hounslow laboratories of Parke, Davis & Co. Many new aspects of modern pharmaceutical processes were noted by the students, and a lucid account of the methods of manufacture of biological products was given by means of a lantern lecture, which was much appreciated.

CONTENTS

See p. 603

Bradford

N.P.U. BRANCH ANNUAL MEETING.—The annual meeting of Bradford Branch of the National Pharmaceutical Union took place on May 25, Mr. W. H. Croasdell presiding. The secretary (Mr. S. H. Bolton) gave a brief report on the year's activities. It was decided to send a resolution to N.P.U. headquarters urging that the national Executive be asked to collect local branch subscriptions at the same time as the general Union subscriptions. It was also resolved that the secretary should be provided with a telephone for N.P.U. business if and when funds were available. The following officers were elected: *Chairman*, Mr. W. H. Croasdell; *Vice-Chairman*, Mr. Kitching; *Secretary*, Mr. S. H. Bolton, 43 Otley Road, Bradford; *Committee*, Messrs. J. A. Sullivan, R. Carter, W. Sutcliffe and W. Batley. Mr. Sutcliffe gave a short summary of the functions and constitution of the Pharmaceutical Committee, an election for which was pending.

Croydon

WORKS VISIT.—Fifty members of the Croydon Branch of the Pharmaceutical Society and local Pharmacists' Association visited the works of Parke, Davis & Co., Hounslow, on May 24. The party was conveyed in two coaches, the first party being entertained to lunch on arrival. Photographs were taken, and then the visitors, in small groups, each in charge of a member of the staff, were conducted over the works. After tea had been served, the thanks of the company were expressed by the president (Mr. S. A. Noble), and a reply was made by Mr. Holt on behalf of the firm.

Hull

OFFICERS FOR THE YEAR.—At a meeting held recently Mr. E. A. Brocklehurst (portrait, p. 601) was elected *President* of the Hull Chemists' Association and Branch of the Pharmaceutical Society for the year. Other officials elected were: *Vice-Presidents*, Messrs. E. Naylor and R. Stephens; *Secretary*, Mr. D. Foster; *Treasurer*, Mr. C. A. Hewitt; *Minute Secretary*, Miss W. Vokes; *Social Secretary*, Mr. Ringrose; *Committee*, Miss T. Sawyer, Messrs. Clappison, W. O. Wright, H. Thirsk, Mrs. Brocklehurst and Mr. King.

Leeds

SECRETARY BECOMES CHAIRMAN.—The annual meeting of Leeds Branch of the National Pharmaceutical Union was held on May 16, the retiring chairman (Mr. W. F. H. Kemp) presiding. Miss Florence Cousin (secretary) reported a year of useful activity, and was later elected the new *Chairman*, while remaining *Secretary*; Messrs. E. S. Mitchell and Kemp were elected *Vice-Chairmen*; Mr. W. Eadie was reappointed *Treasurer*; and Messrs. E. Buckley, N. H. Burns, N. Hirst, F. Midgley, M. Moorhouse and F. C. Stock were added to the *Council*, Messrs. N. N. Armitage, J. H. Gough, A. L. Peters and T. Shooter remaining as *ex-officio* Council members.

ANNUAL MEETING.—The sixteenth annual meeting of Leeds Branch of the Pharmaceutical Society took place on May 18, Mr. W. F. H. Kemp presiding. Mr. G. C. Crummack (secretary), in his annual report, said there were 534 full and ten associate members. The area at January 1 had fifty-eight apprentices, but the local education committee had not had occasion to place any new apprentices during the year. The education committee continued to advise the College of Technology in respect of early training, and to keep in touch with the juvenile-employment bureau. Some seventy members in Leeds, and many others in outer areas, were undertaking air-raid precautions training and duties. The Branch was arranging interviews with fourteen members of Parliament in the matter of the Budget repeal of medicine-stamp duty; the Branch was in sympathy with the National Pharmaceutical Union's efforts to protect chemists' interests, and had declined the offer of a manufacturing firm to send a lecturer, since the firm was not on the C.F. list. Mr. Paul Dobson (treasurer) reported an income of £100 and surplus of £34 (against £31 last year). Mr. Edgar Buckley, submitting the golf-section report, offered the congratulations of members to the Branch chairman (Mr. Kemp) on his winning the Edmund White golf trophy at the Edinburgh Pharmaceutical Conference. Mr. Buckley also gave a report of the Branch efforts for the Society's Benevolent Fund, and the meeting approved an immediate vote of £20 to headquarters (£5 more than last year). Arising out of the report, Mr. Bryan urged measures for the

protection of the rights of chemists in the matter of medicine-stamp duty. He felt the abolition of the duty would result in an increased sale of secret remedies, and hoped chemists would do nothing to encourage that increase or they would jeopardise their claims to special consideration. He felt much could be done through the Chemists' Friends scheme. Messrs. J. H. Gough and T. Heseltine (a member of the N.P.U. Executive) assured the meeting that the national bodies in pharmacy had already set all necessary machinery in motion and were dealing with the authorities and with M.P.s. Mr. Gough added that it was rumoured that there would be a Supplementary Budget in October, with a sales tax on practically every class of goods. Mr. Bryan remarked that this would provide no special benefit to chemists. The chairman (Mr. Kemp) felt that, despite the national effort, some good could be done by local branches, and a meeting should be called shortly solely to discuss the matter. Mr. Paul Dobson agreed, and the matter was referred to the attention of the Council. The following were elected to office: *Chairman*, Mr. G. Harold Haw; *Chairman-Elect*, Mr. T. Shooter; *Treasurer*, Mr. Paul Dobson; *Secretary*, Mr. G. C. Crummack (for the eleventh time); *Council*, Messrs. Edgar Buckley, N. H. Burns, W. Eadie, A. W. Lupton, F. Midgley, A. L. Peters, J. F. Simon, F. C. Stock, all of Leeds; C. S. Challinor, Castleford; T. Heseltine, Normanton; H. Hodgson, Horsforth; and J. F. Usher, Guiseley; with Messrs. N. N. Armitage, J. H. Beacock, J. H. Gough and J. Judge, Wakefield, *ex-officio*. Messrs. Armitage and Lupton were re-elected *Auditors*; and Messrs. Armitage, Gough, Haw, Shooter, Challinor and Crummack were nominated to act for Leeds at the Pharmaceutical Conference. Discussion ensued on continued affiliation with the West Riding Co-ordination Committee. Messrs. Kemp and Crummack (last year's delegates) felt the Committee was achieving nothing and membership a waste of time. Mr. Heseltine felt the committee was a good idea, but if it was not functioning it was no use. Mr. R. Garfield Shaw thought it should be able to do useful service in the matter of the medicine-stamp duty. Mr. Hodgson felt the committee would do more useful work if it got more genuine support. If Leeds was so fortunate as to be able to manage without it, the Branch might lend its strength for the benefit of the smaller branches. On a vote the meeting resolved, by a large majority, not to continue membership of the co-ordination committee.

London

WEST LONDON ANNUAL MEETINGS.—The joint annual general meeting of the Western Pharmacists' Association and West Metropolitan Branch of the Pharmaceutical Society was held on May 17. Light refreshments were served before the commencement of the meeting. The president of the Association (Mr. H. C. E. Glover) presided and there was an excellent attendance. The report of the secretaries (Messrs. Clifford Evans and W. T. Pratt) showed that the activities of the Association and Branch had been well maintained throughout the year. Membership of both showed an increase. Social functions had all been eminently successful under the direction of the social secretary (Mr. Frank Noble). The shooting section, under Mr. D. R. Evans, had been active, and the billiards section, under Mr. Eacott, had had some enjoyable evenings. The financial statements, which were submitted by the treasurer (Mr. Shirliff), were unanimously adopted and showed satisfactory balances in hand. A sum of ten guineas was voted from the funds of the Association as a subscription to the Society's Benevolent Fund. The following were elected as Branch representatives to the Birmingham Conference: Messrs. H. C. E. Glover, D. R. Evans, Clifford Evans, W. T. Pratt, D. T. Jones, and C. A. Noble. The four retiring members of the *Committee* (Messrs. Clifford Evans, D. R. Evans, P. D. Goodwin, and Frank Noble) were re-elected. Messrs. W. and B. R. Wilkinson were elected as *Auditors*; Mr. Lownsbrough, having been elected to the *Committee*, resigned his office as auditor and was thanked for his services during many years. The chairman announced that the proceeds of a dance organised by the Branch in aid of the Benevolent Fund were £27 15s. 9d., and a cheque for this amount was presented to Mr. J. F. McNeal (a member of Council), who was present to represent the Benevolent Fund Committee. Mr. McNeal thanked the Branch and appealed to members to give the Fund all the support in their power, especially as the War Auxiliary Benevolent Fund would be exhausted during the coming year and increased calls would

have to be made on the Benevolent Fund as a result. The Bonner (shooting) cup was presented by the president to Mr. W. T. Pratt. A vote of thanks to the officers was proposed by Mr. P. Irvine and acknowledged by Mr. Pratt, and a vote of thanks to Mr. H. C. E. Glover by Mr. Berry (dean of the Society's college). The secretary proposed a vote of thanks to Mr. G. A. Tocher for his invaluable services. A resolution was unanimously adopted for submission to the Pharmaceutical Society and the National Pharmaceutical Union on the subject of remission of medicine-stamp duties and emphasising the necessity for adequate protection of pharmacy in the future.

Merseyside

RADIO PLAYS AT CROSBY.—On May 16 the amateur dramatic section of the Crosby Pharmacists' Association presented four radio plays, produced by Mr. E. Horsfall. The president (Mr. J. Allen Jones) afterwards thanked members who had worked enthusiastically to entertain their fellow members and friends.

BIRKENHEAD FIRST-AID CLASSES.—Forty-seven pharmacists attended the first of a series of first-aid classes arranged by the Birkenhead and Wirral Association of Pharmacists. There are to be fifteen to eighteen lectures, given by Dr. J. Donnelly; a small charge is being made to cover the cost of hiring the hall.

PROPOSED ROTA.—Mr. F. J. Nichols (secretary, Birkenhead and Wirral Association of Pharmacists) recently sent out to members a *questionnaire* asking for their views on the desirability of instituting a rota for Sunday and Thursday opening. The replies, it is understood, mainly favour a rota. They will be considered at the next meeting of the committee.

CROSBY ANNUAL MEETING.—The president (Mr. J. Allen Jones) was in the chair at the annual meeting of the Crosby Pharmacists' Association, held recently. Alterations to the rules, serving to widen the scope of the Association, were passed. Out of a small surplus resulting from the Association's annual dance, a sum of three guineas was voted to the Society's Benevolent Fund.

FIVE-DAY WEEK EXPERIMENT SUSPENDED.—Manesty Machines, Ltd., Speke Hall Road, Liverpool, 19, inform us that, owing to extreme pressure of work, the company has been forced to discontinue operation of a five-day week, and will open on Saturdays until further notice. Valuable information has been obtained during the period (almost two years) during which the five-day week has been in operation.

WHOLESALE DISCUSS PROTECTION OF EMPLOYEES.—At a meeting at the offices of Ayrton, Saunders & Co., Ltd., Liverpool, on May 22, under the chairmanship of Mr. Harold Nixon, representatives of six local manufacturing and wholesale chemists having premises in Liverpool discussed the provision of shelters and other schemes for the protection of employees, as affected by the Code issued in connexion with the Civil Defence Bill now before Parliament. The firms represented were Ayrton, Saunders & Co., Ltd.; The British Drug Houses, Ltd.; Evans Sons Lescher & Webb, Ltd.; May, Roberts & Co., Ltd.; R. Sumner & Co., Ltd.; and John Thompson, Ltd.

Worcester

MR. Linstead QUESTIONED.—Mr. D. G. Pout (chairman) presided at a meeting of the Worcestershire and Herefordshire Branch of the Pharmaceutical Society held at Worcester on May 15. Over sixty members were present, together with the president, secretary, and two other members of the Shropshire Branch. Mr. A. C. Yeates, Stourbridge, was co-opted to the Committee, and Mr. Lawrence, Worcester, was appointed Assistant Secretary. The ladies' committee, formed during the session to organise a Benevolent Fund dance, was co-opted as a subcommittee of the Branch committee. Messrs. Pout, Turner, and C. E. Gedge (secretary) were elected delegates to the Birmingham Conference. Mr. H. N. Linstead (secretary, Pharmaceutical Society) then addressed the meeting on "Current Pharmaceutical Topics," dealing at some length with national service, the national register of pharmacists, conscription, the new building and present position of the building fund, medicine-stamp duty abolition, and the position of the co-operative societies under the Pharmacy and Poisons Act, 1933. A discussion followed. Asked how conscription would affect pharmaceutical students, Mr. Linstead replied that the Council hoped it would be possible for students either to anticipate or to postpone their term of military service; at present

they must make personal application for such concession. Asked whether it was a general requirement that chemists should supply air-raid precaution depots with particulars of their stocks of dressings, the speaker stated that arrangements varied according to the medical officer of health in each area. He advised local chemists in areas where such requests had been made to ascertain what payment would be made for supplies required in an emergency, and suggested that cost price *plus* 10 per cent. might be a guide. Mr. Linstead gave no reply to the question whether the Society had made arrangements under which chemists could obtain supplies of dressings, etc., for National Health Insurance purposes in an emergency, after the questioner had declared signs of delay in filling orders were already evident. One member stated that he understood chemists were third in order of precedence on the list for obtaining supplies, and that his local A.R.P. dressing station was obtaining supplies from a local store. Questioned whether the six months' military service would count as time served in apprenticeship, Mr. Linstead said the matter was not yet decided, but he doubted whether the Society would consider the term of apprenticeship long enough if the service period were deducted. For years, said Mr. Linstead, in answer to another questioner, the Society had been urging the Army Council to raise the status of pharmacists in the Army to commissioned rank, but without success. The Council had not yet given up hope, and the matter would be approached from all possible angles. Asked what organisations had contributed to the Society's building fund, Mr. Linstead replied that he was not prepared to name all of them from memory, but they included Burroughs Wellcome & Co., Glaxo Laboratories, Ltd., Boots Pure Drug Co., Ltd., and A. Wander, Ltd. The co-operative societies had not subscribed. Asked why the school of pharmacy and the "Pharmaceutical Journal" were run at a loss when privately owned schools and trade journals made profits, Mr. Linstead said it was not desirable that educational systems should be run on a profit-making basis, yet the school was not a loss. Ten years ago there had been twenty-three privately-owned schools of pharmacy; to-day there were only two. The "Journal" was not actually a loss, but as each member was supplied with a copy out of his fee, a sum of ten shillings per member was debited to the "Journal"; the loss was merely on paper. Mr. Hunt, Shropshire, felt that the "Journal" should publish all correspondence, whether friendly or otherwise, to the Council. Mr. Linstead replied that the matter was left entirely in the hands of the editor, Mr. F. D. P. Smith, Hereford, proposed the following resolution, which was seconded by Mr. White, Oldbury, and carried by a majority of over forty: "That the retention fee be not raised to meet the building fund until such time as it is found that voluntary subscriptions do not bring in the money required."

Miscellaneous

HOLIDAYS WITH PAY.—The Minister of Labour has made an Order confirming a direction for holidays with pay in respect of the sugar, confectionery and food preserving trade of Great Britain. This also confirms the variation of the minimum rates of wages for certain classes of female workers effective from May 15. Copies of the Order are obtainable from H.M. Stationery Office, Kingsway, price 2d.

INCORPORATED SALES MANAGERS' ASSOCIATION.—At the annual meeting of the Association on May 18 the following officers were elected:—*Chairman*, Mr. C. M. C. Symes; *Vice-Chairmen*, Messrs. E. S. Baynes, C. L. Field Ellis and A. G. Lovell; *President, London branch*, Sir W. Norman Vernon; *Secretary*, Mr. E. C. Lee; *Treasurer*, Mr. W. K. Thompson; *Executive Committee*, Messrs. B. Barnett, T. F. Clarke, H. M. Critchley, G. W. Godfrey, J. R. Howcroft, S. P. O'Connor, Cyril J. Scott, G. P. Simon, Birdwood Taylor, G. B. Thompson, A. Tickler, Ivor Tyler, J. N. Webster, and J. H. Whitfield.

BRITISH STANDARDS INSTITUTION.—British Standard for Veterinary Cod-Liver Oil (B.S. 839) has been issued. The specification has been prepared by a committee representative of, amongst others, the Royal College of Veterinary Surgeons, the National Farmers' Union and the cod-liver oil producers; it includes methods of vitamin assay by permission of the General Medical Council. The Institution has also recently issued a British Standard Method of Test for Toxicity of Wood Preservatives (B.S. 838). Copies of both standards may be obtained from the British Standards Institution, 28 Victoria Street, London, S.W.1, price 2s. 2d. each, post free.

Irish Notes

Belfast

FIRE.—A fire broke out at the premises of Grattan, Ltd., chemists, University Road, Belfast, on May 26. Little damage was done.

MR. A. L. MARTIN, Ph.C., who headed the poll at the recent Portadown urban council election (see *C. & D.*, May 27, p. 568) has been appointed vice-chairman of that body.

SIR THOMAS McMULLAN (a member of the Council of the Pharmaceutical Society of Northern Ireland), has been appointed a member of the museums, libraries and arts committee of the Belfast Corporation.

TROPHIES AT AGRICULTURAL SHOW.—Mr. Samuel Gibson, J.P., Ph.C., Summerhill, Dunmurry, won several cups and medals with his animals in the Kerry section, Royal Ulster Agricultural Society's Show, Belfast, recently. Mr. Gibson is a member of Council and a past-president of the Pharmaceutical Society of Northern Ireland, and has been treasurer of the Chemists' and Druggists' Society of Ireland for forty years.

Rosslare

THREE-DAY GOLF TOURNAMENT.—The Irish Chemists' Golfing Society held its annual three-day tournament at Rosslare, co. Wexford, on May 22, 23 and 24. A large party left Dublin under the leadership of the captain (Mr. Phil Fahey), while provincial chemists turned up in strength from, among other centres, Limerick, Waterford, Wexford, Enniscorthy, Drogheda, Mitchelstown (co. Cork), Roscrea and Kilkenny. Trade visitors included Mr. E. P. Lescher, Liverpool, Mr. W. Rowland Such, Mr. T. E. Hannan and Mr. Walter Webb (Burroughs Wellcome & Co.). On the morning of Monday a big "field" turned out to play the opening four-ball competition, and the first victors of the tournament were Messrs. T. Stewart, Limerick, and Mr. W. R. Such (Evans Sons Lescher & Webb, Ltd.). Second prizes in this competition went to Messrs. A. D. Davidson (May, Roberts & Co. (Ireland), Ltd.) and M. G. Murphy, Mitchelstown. The afternoon was given over to a strokes singles competition. Here again Mr. Stewart, Limerick, emerged the first prizewinner, with Mr. Murphy, Mitchelstown, a close runner-up. Third prize went to Mr. Stanley Savage, Dublin. Tuesday began with another stroke competition, which ended in a tie between Messrs. Stanley Savage and A. Thornton, Enniscorthy, who shared the first and second prizes. Third prize went to Mr. J. Walsh and fourth to Mr. Fitzpatrick, Waterford. In an afternoon four-ball bogey competition the first prizewinners were Messrs. Frank Roche, Dublin, and Walsh. Second prizes were shared by Messrs. A. W. Hughes (A. de St. Dalmas & Co., Ltd.) and Fitzpatrick. The winner of the tournament for the captain's prize (a set of cut-glass decanters and glasses on silver tray) was Mr. Tony Roche (last year's captain), who came first with 68 net on a handicap of eight. He won by one stroke against Mr. T. F. Kelly, Thomastown, co. Kilkenny (69 net, handicap eighteen). The final competition of the tournament was a Scotch foursome, in which first prizes went to Messrs. A. D. Davidson and T. F. Kelly. Of the second prize Mr. "Bob" Bates (treasurer) was co-winner with Mr. Walter Webb. The two third prizes were won by Messrs. P. A. MacMahon, Limerick, and E. MacManus, Chapelizod, Dublin. On the Tuesday night the visitors were entertained by Mr. N. J. Kelly (the hotel proprietor) to a talkie and silent film show, which included films of bird life on the Saltee islands, colour pictures of the country round Rosslare, and "shots" of notable visitors to the hotel. The films were all made by Mr. Kelly himself. On Wednesday night the captain (Mr. P. Fahey) presided at the Society's dinner, at the conclusion of which the prizes were presented to the winners by Mrs. E. P. Lescher. In the course of his speech, the captain extended a cordial welcome to new members, and reminded those present that their next big date was June 15, when they would compete with chemists from Northern Ireland at Dundalk for the B.D.H. cup. On the motion of Mr. P. D. Larkin, Drogheda, seconded by Mr. E. MacManus, Chapelizod, a vote of thanks was passed to the Rosslare Golf Club for the use of their course. This was replied to by Mr. W. F. Kirby, M.P.S.I., who is a member of the Rosslare club. Thanks were also tendered to Mr. and Mrs. Kelly and the hotel staff, on the motion of Mr. P. C. Cahill, seconded by Mr. T. Hannan. A vote of thanks to the donors

of the prizes was passed on the motion of Mr. R. Bates, seconded by Mr. M. Costello, Marino, Dublin. Mr. E. P. Lescher, Liverpool, and Mr. Such spoke to this motion. Thanks to the chairman and captain were voiced by the Rev. Fr. Lavelle. There followed a musical programme, at which Mr. MacMahon, Limerick, presided at the piano. Songs were contributed by Mr. A. F. Roche; Mr. Walter Webb provided a melodramatic burlesque with appropriate make-up, and a "big hit" was a song on the Chemists' Golfing Society specially composed by Mr. "Tommy" Hannan, with a refrain in which the company joined.

Miscellaneous

OPTICIANS' BILL PROPOSED.—Mr. M. O'Callaghan, M.P.S.I., F.B.O.A. (official instructor to the Association of Ophthalmic Opticians, Ireland) has stated that an Opticians Bill is being prepared, which it is hoped the Dail will pass. The bill provides that only those holding an approved qualification will be permitted to practice sight-testing and the supply of spectacles to the public.

MR. JAMES DONAGHY, Ph.C., Ballymoney, who has been co-opted a member of the Council of the Pharmaceutical Society of Northern Ireland in succession to the late Mr. Samuel S. Badger, J.P., served his apprenticeship with Davidson & Hardy, Ltd., Castle Place, Belfast. On completion of his apprenticeship he went as assistant for a short time with McAdam & Bates, Omagh, and qualified under the Northern Ireland Pharmaceutical Society in June, 1927. Immediately afterwards he opened a pharmacy in Ballymoney, where he has built up a large business. He is the first fully qualified member of the Society who passed the examinations of the Pharmaceutical Society of Northern Ireland (he qualified in 1927) to reach the Council.



MR. J. DONAGHY

CUSTOMS-DUTY EXEMPTION.—Under a clause in the Finance Bill introduced in Eire, possessors of amateur cinema cameras who get their films developed abroad may import them free, provided the films were taken in Eire.

Scottish Notes

Edinburgh

BOTANY RAMBLE.—The first meeting of the summer session of the Edinburgh Chemists', Assistants' and Apprentices' Association took the form of an evening botanical excursion. A number of members and friends assembled at Barnton under the leadership of Mr. Eric Knott, Ph.C., and field work was carried out along the road and river-side. Before setting out the leader explained various ecological features to be met with on the route. On the motion of the president (Mr. D. Kay) a cordial vote of thanks was accorded to Mr. Knott.

RESOLUTION ON STAMP DUTY ABOLITION.—The Edinburgh and South-Eastern Scottish Branch of the Pharmaceutical Society annual meeting was on May 15, Mr. J. B. Mitchell (chairman) presiding. Mr. C. G. Drummond (secretary and treasurer) submitted the report and financial statement, indicating a highly successful session and a satisfactory balance. Out of the cash balance in hand after meeting all expenses of the Conference last September, it had been decided to allocate a sum of £100 for the purpose of establishing an annual prize, in the name of the Branch, in connexion with the Heriot-Watt College School of Pharmacy. On the completion of the special A.R.P. course for members of the Branch 224 had qualified for certificates. The committee recorded their satisfaction at the spirit shown by members who attended the lectures. The Branch membership stood at 905, made up of 893 members and 12 student-associates. The following office-bearers were elected for the ensuing year:—*Chairman*, Mr. J. Henry, Galashiels; *Vice-Chairman*, Mr. J. H. Tainsh, Edinburgh; *Secretary and Treasurer*, Mr. C. G. Drummond, 38 Grassmarket, Edinburgh; *Committee*, Misses M. J. L. Brindle, B. D. Geddes and O. W.

Scarlett, Messrs. W. A. Beattie, D. Harley, E. Knott, J. H. Macpherson, J. B. Mitchell, P. Nisbet, J. C. Somerville, J. R. Sutherland and T. Wilson; *Conference Delegates*, the chairman, vice-chairman and secretary, Misses Geddes and Purdie, and Messrs. Mitchell, Nisbet, Sutherland and Wilson. Dr. Tait then addressed the meeting on "Current Pharmaceutical Topics." Referring to pharmacists and the army, Dr. Tait said that the position was still very unsatisfactory in spite of the fact that the Society had been working for years to get a proper position for pharmacists in the army. There had been a certain advance made, as pharmacy was now a reserved occupation and the Society had been invited to prepare a national register. He laid emphasis on the necessity for A.R.P. training for pharmacists and also mentioned the Military Training Bill. He then referred to the subject of medicine-stamp duty, and said the proposals for the repeal of this Act were causing great alarm. If this Act were repealed the door would certainly be open to great abuse in the way of supplying drugs to the nation. The Society was taking the matter very seriously. Mr. L. Moreton Parry, on the invitation of the chairman, said in regard to the position of pharmacists in the army, his experience was that the army council was immovable, and he thought their only plan was to take action through the Ministry of Health to get the present unsatisfactory position rectified. After a discussion, chiefly directed to the position created by the proposed repeal of the Medicine Stamp Acts, the following resolution was moved by Mr. Beattie, seconded by Mr. Drummond, and agreed to:—

That this meeting of the Edinburgh and South-Eastern Scottish Branch of the Pharmaceutical Society is gravely alarmed at the

proposal made by the Chancellor of the Exchequer to repeal the medicine-stamp duties and would respectfully urge the Council to give consideration to the following possible course of action:—

1.—Immediate consultation and close co-operation with the British Medical Association in order to appoint a joint committee representing both bodies (the B.M.A. and the Pharmaceutical Society) to examine the serious position which has now arisen, and which is inimical to the interests of both parties.

2.—This joint committee to approach the Chancellor of the Exchequer and suggest the need for consideration of the following points:

(a) Although archaic in character, the medicine-stamp duties do serve a useful purpose for the protection of the public, and their repeal would be a retrograde step in that the last vestige of control over the sale of proprietary medicines would cease. Points of distribution of these proprietary medicines would be increased, and the opportunities for self-medication without control would be unlimited.

(b) Fraudulent claims by dishonest manufacturers for the supposedly therapeutic properties of their preparations would be allowed to increase without check or hindrance.

3.—Further, we would suggest that this joint committee approach the Minister of Health and suggest the vital necessity of regularising and controlling the sale of all proprietary medicines to the public by giving official recognition only to preparations approved by the joint committee, and restricting the sale of all such preparations to persons subject to statutory control, that is persons carrying on business under the provisions of the Pharmacy Acts.

4.—As this matter is of vital importance to all members of the Pharmaceutical Society, we are of the opinion that any expense incurred by the adoption of the above recommendations should be a first charge on the funds of the Society.

On the motion of the chairman, a vote of thanks was awarded to Dr. Tait, and Dr. Blackie proposed a vote of thanks to the chairman.

Topical Reflections

By Xrayer

A Welcome Arrival

The arrival of a new and enlarged edition of your "Chemist's Dictionary of Medical Terms" is a welcome event. Between the larger medical dictionaries—which are virtually encyclopædias and are not convenient for quick reference—and those of smallest size—which, through severe compression, are sometimes lacking in clearness—there is a field never so well filled as by this new volume. Your restrained editorial criticism (*C. & D.*, May 27, p. 579) of "intricacy of relation between associated medical terms" will find an echo in the minds of many readers whose work necessitates the use of dictionaries. It is hardly an exaggeration to say that medical nomenclature in the twentieth century is in a condition resembling that of botanical nomenclature in the fifteenth, when glossaries were of great value in assembling the numerous names used for identical plants. The late Sir Walter Raleigh, writing from the standpoint of a literary man who aimed at exact expression of thought, once declared that "there are no synonyms." That, as your editorial article suffices to show, is contrary to fact where medicine is concerned; and two or three paragraphs could be filled with further instances. In the last resort, I suppose, a medical man, confronted with a dictionary meaning differing from that to which he was accustomed, would say: "That is not the meaning I was taught as a student." The fact is that usage is not always in agreement, even in English-speaking countries. It may become possible, in some less troubled period, to internationalise medical terms. Meanwhile a judicious use of words of similar meaning may go far to establish a clinician's reputation. "Your husband, Mrs. Blank, is not actually suffering from agrypnia (commonly called anhypnosis or insomnia), but from dyscoimesis combined with dysnystaxis and a touch of dysphylaxia." Such a diagnosis may well be highly reassuring to a patient and his relatives, and may make the doctor's bill seem lighter when it arrives.

U.S. Food and Drugs Regulations

The abstract on p. 581 of an article describing the working of the United States Federal Food, Drug and Cosmetic Act, 1938, merits the careful attention of all who supply products susceptible to corresponding legislation in this country; for our legislators have an unpleasant habit of taking over, from time to time, some of the least-needed provisions of existing Acts of other countries. Without attempting to epitomise an

abstract, I may briefly note one or two features of this half-page of yours. If the estimate that 97 per cent. of the labels used in the United States drug industry have been revised to meet the new requirements is accurate, a serious state of affairs has existed in that industry, a state not necessarily reflecting unfavourably on the industry. "Persons in a pathological condition" is a phrase to which objection may, and I trust will, be taken. The 132 colours certified for "tentative" acceptance as wholesome may be mentally compared with the much shorter British list in your *Diary* for 1927 (which list, I believe, has not received much addition since): one would like to know the names of these substances. Again, "misbranding" now covers anything that a label fails to state—a sin of omission of an all-inclusive character. Regulations worded in such drastic terms may make manufacturers question whether it is safe to label their products in any customary manner.

The Balance of Convenience

Your Retrospect of May 25, 1889 (p. 588) rescues from oblivion a phrase of positive genius which should be carved in gilt lettering over the main entrance of every Government department—"the balance of convenience." The incident related in your Retrospect arose from the long fight to add carbolic acid to the Poisons Schedule, a fight that ended in a victory for common sense early in the present century. In 1889 the advisers of the Privy Council were of opinion that, although carbolic acid was "undoubtedly" a dangerous substance, "the balance of convenience" was in favour of not making it a statutory poison. Deaths in England and Wales, in that year, from accidental poisoning by carbolic acid numbered twenty-seven, and from suicide by means of the same poison forty-one; in 1899 the respective figures had risen to forty-five and 167. By that time the "balance" was beginning to shake, and soon afterwards carbolic acid attained the desired status of recognition. In spite of this rebuff, the "balance" continued serenely on its way, harassing chemists in more directions that I have space to indicate here. We have seen it at work in the Dangerous Drugs Regulations, in the report of the Departmental Committee on the Poisons and Pharmacy Acts, and in the proceedings of the Select Committee on Medicine Stamp Duties. Need I add that the noisiest interests generally contrive to tip the balance in their own direction?

Legal Reports

Failure to Keep Record.—At Dundee Sheriff Court recently Mr. J. F. Tait, M.P.S., 141 Clepington Road, Dundee, was fined £1 for failing to make an entry in his register in respect of purchases of a drug. Mr. W. L. Mitchell, solicitor, on Mr. Tait's behalf, said the drug was obtained from the wholesale people and was not kept in the shop. He had supplied the drug twenty-eight times to one customer. On thirteen occasions the entry had been properly made. After the thirteen entries, however, his assistant left, and he did not have time to make the entry. Mr. Albert Dryden, M.P.S., 5 Springhill, Dundee, was fined £1 on a similar charge.

Poisons Supplied on Telephone Orders.—At Sevenoaks Police Court on May 26, Mr. A. W. Pain, M.P.S. (Pain & Powell, chemists), 52 High Street, Sevenoaks, Kent, appeared in answer to twenty-three summonses brought by the Pharmaceutical Society under the Pharmacy and Poisons Act, 1933. Mr. A. C. Castle prosecuted on behalf of the Society, and Mr. H. Glyn-Jones appeared for defendant. Defendant was fined 10s. for selling a poison in accordance with a prescription and failing to retain the prescription in such a manner as to be readily available for inspection. The Bench dismissed four similar summonses on payment of 4s. costs on each. There was a further fine of 10s. for having delivered a poison to a doctor without having first obtained his signature to an entry in the poison-book. Eight similar summonses were dismissed on payment of 4s. costs on each. Mr. Castle withdrew the nine other summonses because he understood there was going to be a plea of guilty to the preceding nine, to which they were really alternatives. The first batch of five summonses, Mr. Castle said, originated under Rule 12, which dealt exclusively with poisons listed and mentioned in Schedule 4. It was alleged by the prosecution that defendant sold on various dates Fourth Schedule poisons and failed to retain the prescription. But in accordance with Rule 12 it was required that the original prescription must be kept for a period of two years. On April 17 an inspector under the Act visited the shop and asked for prescriptions that had been copied into the prescription-book. The five prescriptions mentioned in the summonses were called for by the inspector, and defendant was unable to produce them. Alluding to the nine other summonses, Mr. Castle said they alleged that the delivery or sale of poisons had not complied with the regulations of Section 18 of the Act. That section stated that any poison should not be delivered by the seller until he had made, or caused to have been made, an entry in the book kept for that purpose, with the name and address of the purchaser, the quantity required and their purpose. The purchaser was also required to sign the book. "You may wonder," added Mr. Castle, "why we do not allege, in addition, that these sales should have been made on prescription. The sales were made to doctors, and they are specially exempted under the Act from having to produce a prescription. There are certain other formalities: they can either sign the poison-book or provide the chemist with a signed order." Explaining the reason for such a large number of summonses, Mr. Castle said the Society did not want it to be said that it was just an isolated case. The Society were prosecuting one of their own members reluctantly, and there was no question of any vindictive feeling. Mr. Glyn-Jones: There is no dispute about the facts. Mr. Cyril Morgan said he visited defendant's premises on April 17 and defendant was unable to produce prescriptions which he should have retained for two years. Defendant explained to him that in the majority of those cases the instructions were received by telephone. Some fourteen months previously, added the Inspector, he had discussed with defendant the obligation resting on him as relating to Schedule 4 poisons.—Mr. Glyn Jones: But for the fact that Mr. Pain had kept in the book accurate records of these transactions, you would have known nothing? Witness: Nothing.—Addressing the Bench, Mr. Glyn-Jones said that the draughtsmen of the regulations were not familiar with the use of the telephone by doctors. The chemist was in a difficulty, for he could not say, "Your patient must do without." The chemist sends the tablets, thinking that the doctor will call in to sign the book, as he is required to do within twenty-four hours, but owing to other calls the doctor does not.

Price-Maintenance Agreement.—An action by Northam Warren, Ltd., against S. Brown & Sons (general warehouse-

men), Ltd., came before Mr. Justice Morton in the Chancery Division of the High Court, London, on May 25 on a motion for an injunction until the trial restraining an alleged breach of a price-maintaining agreement. Mr. Charles Harman, K.C., for the plaintiffs, stated that they were suing in a representative capacity on behalf of themselves and all other members of the Proprietary Articles Trade Association, which was established in 1896 in order, roughly speaking, to maintain prices in the chemists' trade. The plaintiffs, he said, were asking for an interim injunction restraining the defendants from supplying any articles in the protected list for the time being in force of the Proprietary Articles Trade Association except to traders carrying on *bona fide* retail business, and from supplying such articles to staff clubs, canteens, "privileged ticket" holders or similar institutions formed for enabling members of the public to obtain goods at prices lower than those prevailing in the retail shops, and generally from selling, supplying or otherwise dealing with any such articles otherwise than in accordance with the conditions governing wholesalers of articles which were on the Association's protected list for the time being in force set out in the rules of the Association adopted by the Council thereof on December 14, 1932, in breach of an agreement dated February 23, 1939, and made between Mr. Henry Esmond Chapman on behalf of the members of the Association and the defendant company. It came to the knowledge of the plaintiffs that the defendants were issuing "privileged tickets" to private persons who were not in the trade, and these people obtained goods from them at the wholesale prices. His lordship: The wholesale price is the price at which the wholesaler can sell to the retail trade? Mr. Harman: Yes, but not to a private person. One of these "privileged tickets" was used for a number of orders in this case—simply handed from person to person and no question asked. His lordship: That is in effect selling below the minimum retail price? Mr. Harman: Yes. The defendants were put on the "stop list" on April 13 last. Mr. K. E. Shelley, K.C., for the defendants, said that, without making any admissions, he would argue the motion on the footing that the facts were as stated. His case was that the agreement had been repudiated by the plaintiffs when the defendants were put on the "stop list" and their supplies cut off. The agreement was bad, he submitted, as there was no limitation of time or space, and there was an enormously large group of goods controlled by all the manufacturing chemists in this country. It was an agreement with no escape on one side and the possibility on the other side of additional goods being included without the defendants' consent. He also complained that the Association had taken no steps to prevent the competitors of the defendants from doing the same thing. Mr. Harman: There is no obligation upon the Association to do so. Mr. Shelley said that the agreement provided that the members of the Association should sell goods to the wholesalers and that the latter should observe the conditions. The plaintiffs had cut off supplies and therefore determined the agreement.

His lordship said that after the defendants were put on the stop list they sent the £25 penalty to the Association and said that precautions would be taken to prevent what was complained of happening again. They were told on that that steps would be taken at the next meeting of the executive committee of the Association to remove them from the list. There was evidence, however, that in the meantime further similar purchases were made from the defendants, and it was decided that they should not be removed from the "stop list." He was not satisfied that the agreement was invalid, but he had not formed any concluded opinion on the matter. Its validity depended upon a number of considerations which would be investigated at the trial. He also thought that the point taken by the defendants that the consideration for the agreement was that they should be supplied with goods and that the putting of them on the "stop list" was a repudiation of the contract was one that was very arguable. But as the defendants had entered into this agreement so recently as February 23 last and then shortly afterwards proceeded to commit breaches of it, he did not think they could be put to much inconvenience if he restrained them until the trial of the action. An injunction until the trial in the terms of the notice of motion was granted.

Phenobarbitone Prosecution in Eire

IN the Dublin District Court on May 25, J. Redfern, Ltd., 3 and 4 Lower O'Connell Street, Dublin, were fined £2 for selling a poison (phenobarbitone) in a preparation known as Renesol, in a container not distinctly labelled with the name of the poison. Another summons that while keeping open shop for selling and retailing poisons, they did not personally manage and conduct such shop and the retailing of poisons therein, nor employ for that purpose a properly qualified person, was dismissed. A summons against Miss Catherine Day, an employee of Redfern, Ltd., for selling phenobarbitone, not being legally qualified to do so, was also dismissed. Opening for the prosecution, Mr. J. A. Costello, K.C. (instructed by Mr. John J. Gaynor, law adviser to the Pharmaceutical Society), said that J. Redfern, Ltd., was a limited company registered in England with a nominal capital of £100. In the registration particulars the company gave the name of Miss Christina Robinson, 3 and 4 Lower O'Connell Street, Dublin, as secretary, and the summonses were served on her. Counsel thought he was entitled to show the nature of the substance defendants sold, and the purpose for which it was sold. The District Justice: If I am satisfied that this preparation was a poison, and that these people did not employ a qualified person for the retailing and selling of poison I would be satisfied on the facts no matter what propaganda was put over. Mr. Costello: But you are concerned, I submit, in the type of vending going on in determining the amount of penalty.

A Great Evil

Mr. Costello continued: We are endeavouring to prevent a great evil. Mr. McCarthy (defending): The great evil is false propaganda. The Justice: You are pleading guilty to the second summons? Mr. McCarthy: I am admitting that we sold a thing called Renesol. I am admitting that the bottle as sold to Mrs. Byrne did not comply with certain statutory provisions, but whether my friends bring themselves within the statutory provisions is another matter. The third summons is against Catherine Day, that she, not being legally qualified, sold this article. We do not admit that, for the reason that she was not the person who sold the article. Mr. Costello, continuing, said he would abide by the Justice's ruling and confine himself to the facts in the case. The complainant, Mrs. Winifred Byrne, an inspector of the Pharmaceutical Society, made application through the post for this preparation. She was sent back a form to fill up, which she did. It asked if she suffered from spots before the eyes, and a number of other things. After she returned the form Mrs. Byrne got a letter saying that she was a fit subject for the Renesol treatment. Subsequently she called at the office, saw Catherine Day, and paid £1 for the capsules, which were posted to her. Mrs. Byrne gave evidence corroborating counsel's statement; the only person she saw at the Redfern office, she added, was Catherine Day. The letter, explained Mr. Costello, gave detailed instructions as to food. It further said, "If by any chance the Post Office should demand Customs charge we strongly recommend you to pay it, and not interrupt the treatment. Let us know what you have paid and we will refund it at once." The significance of this reference to the Post Office and Customs charges, added Mr. Costello, might not be apparent until it was explained that the Dublin office, as they alleged, was used as a depot for sending the drug to England, which was prohibited in England by English legislation and could not be obtained there except on medical prescription. Cross-examined, Mrs. Byrne said she had not noticed the name of H. J. Sumner, M.P.S.I., on the receipt. She was not aware that Mr. Sumner was in the employ of Redfern, Ltd.

Mr. McCarthy: When you asked Miss Day for the Renesol did she say "I cannot give it to you, as the right person is not here"?—No. I asked how the money was to be paid: was it C.O.D.? and she said, "No, pay here." She also said, "We don't sell it here. We send it out by post." The Justice: It seems to me that the facts are largely admitted, and that it does not matter about the exact form of words used. Mr. McCarthy: Except that we say there was no sale by Miss Day. Mrs. Phyllis O'Kelly (public analyst) in evidence, said the bottle of Renesol submitted to her contained sixty-four capsules, each containing one grain of phenobarbitone.

"Suicide" Drug

Mr. James Kerr (registrar of the Pharmaceutical Society of Ireland) said that Mrs. Byrne acted in this case on instructions from the Society. The defendant, Catherine Day, was not a person qualified to sell poison. The bottle of Renesol obtained by Mrs. Byrne did not carry anywhere the name of the poison of which the capsules were composed. The directions on the bottle prescribed two or three capsules once a day before retiring. On some of the literature it said oftener. The maximum B.P. dose of phenobarbitone was two grains. The directions on the bottle adopted a maximum dose of three grains. Mr. Costello read from some of the literature advising patients to take three capsules twice a day with a glass of water, and asked Mr. Kerr from his knowledge what he thought of those directions. The danger of barbituric drugs, replied the witness, was that the effective point as medicine and the poison point were very close. The barbituric drugs were commonly called "suicide drugs," but he felt in many cases it was not so much suicide as a case of a patient finding a certain dose did not give the effect required, and then, not realising how close the medicinal and poison points were, taking a little more which often proved fatal. Cross-examined by Mr. McCarthy, the witness said he was aware Mr. H. J. Sumner was a qualified pharmaceutical chemist and formerly carried on the business of Wells & Co. in O'Connell Street. The Justice: If the sales were effected by Mr. Sumner there would be no trouble?—That is so.

Entirely a Postal Business

Catherine Day, called for the defence, said she had been employed by Redfern, Ltd., from February 1938. The other people in the office were a Miss Ramsay, a Mr. Goldblatt, who was managing director, and Mr. Sumner: It was Mr. Sumner who sent out Renesol. Mr. Henry J. Sumner, Ph.C., said he had taken over the chemist's part of Redfern, Ltd.'s Dublin office, and had hung up his chemist's diploma there. Mrs. Byrne's order was transmitted to him two hours after it was received. The Renesol was sent out under his supervision, and he made the entry of Mrs. Byrne's name in the book. Mr. McCarthy: The business carried on by your firm is altogether a postal business?—Altogether post. Mr. McCarthy: Is the bulk of your business done across the Channel?—Yes, only about 3 per cent. of it is done in Ireland. Mr. Costello: I suggest to you you went into Redfern, Ltd., merely as a "cover" for this trade?—There was no question of a prosecution when I went in there. Where do these capsules come from?—From America. They come here in bottles from England and the containers come from England. Don't you know that the sale of this poison, except under medical prescription, is prohibited in England?—I don't know, but on occasions we have had to pay customs duty on the bottles. The Justice: Do you know of any case in which an applicant was refused this drug? Witness: We have had cases in which I believe it was refused, but I don't recall having done so personally. The Justice: Are you in a position to say any of this drug was sent out without your authority?—I cannot swear to that. Mr. Charles Goldblatt, managing director of Redfern, Ltd., said that he was an American citizen, and carried on business with England, America, and all over the world. In the United States his company employed a doctor. He was rather "shocked" to get a summons, because he had never had a summons during the seven years he was doing business. When the matter of the labels had been brought to his attention he immediately had new labels issued. The summons was the first intimation he had that he was breaking the law. If there had been anything wrong with the labels in a technical way and the Pharmaceutical Society had pointed it out to him he would have been delighted to put the matter right.

Mr. Costello: If you are anxious to comply with the law I am sure you will close down the 97 per cent. of your business you are doing from here with England now that you know it is illegal?—I do not see why: we are in Ireland. The Justice said he would hold that no sale had been proved and dismiss the first summons, against Redfern, Ltd., for selling, and the third summons against Catherine Day. On the second summons he would impose a fine of £2.

Company News

P.C. means Private Company and R.O. Registered Office

NATURES WAY, LTD. (P.C.).—Capital £500. Objects: To carry on the business of herbalists, chemists, etc. The first directors are Mabel Wright and Eric J. Dickenson (no address given).

DOLPHIN HOLDINGS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of wholesale and retail chemists, druggists, etc. R.O.: Hardwick House, 161-5 Rosebery Avenue, E.C.1.

ESTEY DRUG CO., LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, etc. The first directors are to be appointed. Solicitors: Slaughter & May, 18 Austin Friars, E.C.2.

HARRINGTON BONE & CHEMICAL CO., LTD. (P.C.).—Capital £5,000. Objects: To acquire the business of tallow refiners and melters carried on by Harrington Bone & Chemical Co. at Harrington Mill, Macclesfield, Cheshire.

ASHCROFTS (CHEMISTS), LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, etc. Hugh Ashcroft, senr., 97 Manor Road, Fleetwood, director. R.O.: 97 Manor Road, Fleetwood, Lancs.

RADIOACTIVE PRODUCTS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in radioactive minerals and compounds, catalyst materials, etc. The first directors are to be appointed. Solicitors: Johnson Jecks & Colclough, 24 Austin Friars, E.C.2.

ANMAC PRODUCTS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers and dealers in chemicals and chemical preparations, etc. Annie MacDonald, 61 Seedley Road, Saltford, Manchester, director. R.O.: 11A Abbey Estates, Mount Pleasant, Alperton, Middlesex.

STELLAR FILTRATION & EQUIPMENT CO., LTD. (P.C.).—Capital £2,000. Objects: To carry on the business of manufacturers of and dealers in filters, filtering materials and plant, manufacturing chemists, etc. The first directors are to be appointed. R.O.: Imperial Buildings, Kingsway, W.C.2.

FLORICE, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in chemical ice, chemicals, medicines, disinfectants, fertilisers, oils, toilet requisites, perfumes, etc. Wm. R. de la Cour Beamish, 63 Kenilworth Court, S.W.15, director. R.O.: 1 Bloomsbury Court, High Holborn, W.C.1.

ENDROID, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in proprietary articles of all kinds, chemists, druggists, manufacturers of and dealers in pharmaceutical, industrial and other preparations, etc. Philip T. R. U. Basset, 50 Onslow Gardens, S.W.7, director. R.O.: 27 Old Bond Street, W.1.

NIPA LABORATORIES, LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of manufacturers of and dealers in preservatives, antiseptics, anti-oxidants, disinfectants, etc. Dr. Eric Bohm, Ashley House, Cefncoed Road, Cardiff; Percy Samuelson, Moy, Esher, Surrey; Humphrey Samuelson, The Old White House, Woking, Surrey, directors. R.O.: 17 Creechurch Lane, E.C.3.

ORGANON LABORATORIES, LTD. (P.C.).—Capital £15,000. Objects: To acquire the whole or part of the undertaking of Organon Laboratories, and to carry on the business of wholesale and retail chemists, herbalists and druggists, etc., and to adopt an agreement with Leo. F. Van Zwannenberg, Arnold A. Van Zwannenberg and Jack M. Van Zwannenberg. R.O.: 77 Newman Street, W.1.

RILLING-WAHL (ENGLAND), LTD. (P.C.).—Capital £2,000. Objects: To carry on the business of manufacturers of and dealers in preparations used in connexion with the businesses of manicurists, chiropodists, perfumers, wholesale or retail chemists, druggists and laboratory proprietors, etc. The first directors are not named. Solicitors: Corbin Greener & Cook, 52 Bedford Row, W.C.1.

ASPIROCLISIS (HOLDING), LTD. (P.C.).—Capital £100. Objects: To acquire the sole rights of exploitation of British

Patent No. 421,024 and United States of America Patent No. 2,074,374 from Fernand François Dominique Suarez de Mendoza for "Improvements in Medical Irrigation Apparatus." Matthew Cope, 4 Express Mansions, Edgware, director. R.O.: 16 Albemarle Street, W.1.

JOBSONS, LTD. (P.C.).—Registered in Edinburgh.—Capital £20,000. Objects: To acquire the businesses of Lavapine, Ltd., and Johnston & Adams, Ltd., and to carry on the business of manufacturers and wholesale or retail dealers in chemicals, drugs, medicines, etc. Wm. K. Petrie, 17 Campbell Road, Broughty Ferry, Dundee; Jas. Carmichael, 39 Roseangle Dundee; and R. S. J. Petrie, 2 Meadow Entry, Dundee, directors.

ALLEN & HANBURYS (ACOUSTIC AIDS), LTD. (P.C.).—Capital £10,000. Objects: To carry on the business of manufacturers of and wholesale and retail dealers in instruments, appliances and aids of all kinds for improving, altering or modifying the hearing, or protecting or affecting in any way the ears of living creatures, and for the amplification of sound generally, etc. Frederick C. Hanbury, Westfield, Hoddesdon, Herts; Frederic W. Gamble, Valley Field, Mount Park, Harrow-on-the-Hill; John Netherway, Exbourne, Chislehurst, Kent; Gilbert T. Gamble, The Croft, Sandy Lodge Road, Moor Park, Rickmansworth; John C. Hanbury, "Errigall," Oak Ridge Avenue, Radlett; Stanley M. Netherway, Valice, The Meadow, Buckhurst Hill, Essex (all directors of Allen & Hanburys, Ltd.), directors. R.O.: 37 Lombard Street, E.C.

SANDEMAN WATSON & SMALL, LTD. (P.C.).—Capital £100. Objects: To market the article called "Solvent 77" and any other chemical or other article in co-operation with Watson Water Softeners, Ltd., and soap extruders used therewith, and to exploit the selling rights of Watson Water Softeners and "Nat-Rol." Vivian H. W. Sandeman, Vale Hyrst, St. George's Road, Sevenoaks, permanent chairman (director of Watsons Water Softeners, Ltd., etc.); William C. Watson, Belsize Farm, Sarratt, near Rickmansworth (director of Watsons Laboratories, Ltd., etc.); Douglas R. M. Small, Bournemede, Herkomer Road, Bushey (director of Randal Small & Partners, Ltd., etc.); and Thomas V. Watson, 4 Titian Avenue, Bushey Heath (director of Watsons Water Softeners, Ltd.), directors. R.O.: Bush House, Aldwych, W.C.2.

BOOTS PURE DRUG CO., LTD.—The directors' fifty-first annual report and balance sheet shows the net profit for the financial year ended March 31, 1939, amounted to £776,292 3s., out of which have been paid dividends for the year on the preference and preferred ordinary shares amounting to £96,750, leaving a balance of £679,542 3s., out of which have already been paid ordinary dividends amounting to £384,000. Add bonus of 3d. per share (free of tax) recommended, £80,000, leaving a balance forward for the year of £215,542 3s. The balance standing to the credit of profit and loss account at March 31, 1938, was £346,730 8s. 6d., which, with balance of undivided profit for the year ended March 31, 1939, £215,542 3s., makes £562,272 11s. 6d., out of which the directors have transferred the following: contingencies reserve £265,000, freehold property reserve £24,409 16s. 9d., works development and A.R.P. reserve £24,138 11s. 5d., leaving to be carried forward £248,724 3s. 4d. The directors recommend that in addition to the dividends already paid a bonus of 3d. per share (free of tax) shall be paid to the ordinary shareholders registered on May 4, 1939. The annual general meeting of the company will be held at the offices, Station Street, Nottingham, on Thursday, June 8, at noon.

Bankruptcy Report

Harold Corfe Wyse, 9 Apsley Villas, Manningham Bradford, lately 227 Wrose Road, Wrose, Bradford, chemist. At the first meeting of the creditors of the above, held recently, at the Official Receiver's office, 71 Manningham Lane, Bradford, the statement of affairs disclosed liabilities of £782 9s., with assets estimated at £12 3s. The debtor ascribed his failure to insufficient turnover to cover expenses. The case was left in the hands of the Official Receiver as trustee.

Stock Exchange Prices

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped.
A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1939, p. 342.

(From "The Trade Marks Journal," May 24, 1939.)

SCHEDULE III

"ASMA-BRON" for medicines for asthma (3). By Orzone (Ireland) 1938, Ltd., 10 North Street, Belfast. 585,772.
"ASMA-BRON" for medicines for asthma (3). By Orzone (London), Ltd., 21 Ludgate Hill, London, E.C.4. 585,773.

SCHEDULE IV

Coat of arms with initials G.S.D. and words "Pro bono agricola" (letters "G.S.D." disclaimed); for agricultural dressings, etc. (1). By G. S. D. Co., Ltd., 4 Middle Pavement, Nottingham. B604,704.
"ROSKYDAL"; for photographic chemicals, etc. (1). By I.G. Farbenindustrie A.G., Grüneburgplatz, Frankfurt-on-Main, Germany. 605,073. (Associated.)
"LIQUINURE"; for fertilisers (1). By Ludwig Blass, 136 Lavenham Road, London, S.W.18. 606,207.
"TOKALON DEODORANT SNOW" on carton design (word "snow" disclaimed); for toilet creams (3) and deodorisers (5). By Tokalon, Ltd., Chase Road, London, N.W.10. 603,681/605,352. (Associated.)
"PENTO" on label design; for perfumery, etc. (3). By Walther Heynemann, Noorder Amstellaan 83, Amsterdam, Holland. 604,315.
"WHITE DOVE"; for face cream (3). By C. R. Sladen, 16 Denbigh Street, London, S.W.1. 605,118.
"FALCON"; for shaving cream (3). By J. W. Hewitt and D. J. Hewitt, 114 Liverpool Road, Patricroft, Manchester. 602,990.
"MEDISOAP"; for medicated soap (3). By Charles Midgley, Ltd., 325 City Road, Manchester 15. 605,899.
"ANTECTA"; for toilet preparations for the hands (3). By Chris. Taylor, Ltd., and The Manchester Oil & Tallow Refining Co., 6 Piercy Street, Ancoats, Manchester. 605,984.
"E. A. DIAMOND" in diamond device (device disclaimed); for medicinal inhalants (5). By Diamond & Holding, Ltd., 177 Regent Street, London, W.1. 604,467.
"LANTIGEN"; for vaccines (5). By Best & Gee Proprietary, Ltd., 77 York Street, Sydney, Australia. 604,690.
"DAPIL"; for a medicinal preparation for piles (5). By Vandré, Ltd., 189 Pitt Street, Glasgow, C.2. 604,795.
"NICOTUBES"; for fungicides, fumigating preparations, etc. (5). By Pan Britannica Industries, Ltd., Sewardstone Road, Waltham Abbey, Essex. 605,423.
"CORVOTONE"; for medicinal and pharmaceutical preparations, etc. (5). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 605,921.
"WILOTENE"; for animal and poultry medicines (5). By Richard Baxter & Son, Bate Mill, Chelford, nr. Crewe. 605,546. (Associated.)
"DAGENAN"; for pharmaceutical, veterinary and sanitary substances (5). By May & Baker, Ltd., 42 St. Paul's Churchyard, London, E.C.4. 605,909. (Associated.)
"FELUNA"; for medicated preparations for women (5). By Graham Remedies, Ltd., 66 Bree Street, Cape Town, South Africa. 605,969.
"LUCIGRAPH"; for photographic cameras (9). By Precision Photo Printing Plant, Ltd., 180 Salisbury House, London Wall, London, E.C.2. 605,603.

APPLICATION AMENDMENT

The specification of "ARKINA" in Class 5, No. 603,220, by Arkina Co., Ltd., has been amended to "Medicines for internal human use."

(From "The Trade Marks Journal," May 31, 1939)

SCHEDULE IV

"DEWY-SHEEN"; for cosmetics (3). By Edmund Withall, 6 Holborn Viaduct, London, E.C.1. B605,843.
"ST. MARTIN'S"; for cleansing, cold, and vanishing cream (3). By "St. Martin's," 44 Alderney Street, London, S.W.1. 604,867.
"MOVEX"; for perfumery, etc. (3). By Cussons, Sons & Co., Ltd., Kersal Vale Works, Moor Lane, Manchester. 605,447.
"B-ETTES"; (letter "B" disclaimed); for menstruation appliances (5). By The B-Ettes Corporation, 155 East 44th Street, New York, U.S.A. 601,904.
"NESTLE'S" and device of birds in nest; for dietetic foods, etc. (5). By Nestle's Milk Products, Ltd., 6 Eastcheap, London, E.C.3. 604,012. (Associated.)
"LARYNGOBIS"; for suppositories for use in treatment of the throat (5). By "Chinoir," Gyogyszer es Vegyeszeti Termekek Gyara Reszvenytarsasag, Tautcza 1, Ujpest, near Budapest, Hungary. 604,750.
Device of two W's and man pulling on rope, with the words "Durability and Strength"; for surgical dressings, bandages, belts, etc. (5) (10). By William Warne & Co., Ltd., India Rubber Mills, Barking, Essex. 604,763/4. (Associated.)

Coming Events

Monday, June 5

Crosby Pharmacists' Association, Waterloo House, 7 Crosby Road South, Waterloo, at 8.45 p.m. Meeting.

Tuesday, June 6

Wimbledon Pharmacists' Association, Wimbledon Town Hall, at 8.30 p.m. Meeting.

Thursday, June 8

Birkenhead and Wirral Association of Pharmacists, Outing to Hawkstone Park. Coaches leave Central Station, Birkenhead, at 2 p.m.

£1 shares unless otherwise stated	Dec. 30, 1938	Apr. 29, 1939	May 30, 1939
	s. d.	s. d.	s. d.
Allen & Hanburys, 7% Prefd. Ord. ...	26 3	25 7½	25 7½
Amalg. Dental Co., 8% Prefd. Ord. ...	25 6	23 6	25 0
"Deferred £1 ...	11 3	10 6	11 3
Aspro, Ltd., 5s. shares ...	11 6	13 9	14 0
Ayrton, Saunders & Co., 7½% Pref. ...	22 9	21 9	21 9
Beechams Foods, Deferred 2s. 6d. shares ...	7 6	7 1½	9 1½
Benger's Pool, Ord. ...	19 6	20 6	20 0
Benzol & By-Products cum. part. Pref. ...	18 0	18 0	21 0
Berger (Lewis) & Sons, Ord. ...	48 0	42 6	44 0
Blundell Spence & Co. ...	12 3	7 6	8 6
Boake (A.), Roberts & Co., 5% Pref. ...	20 6	20 6	21 3
Boots Pure Drug, Ord. 5s. shares ...	39 3	40 9	43 3
Boots Pure Drug, 7% "A" Prefd. Ord. ...	32 6	30 9	30 6
Boots Cash Chemists (S.), 6% "A" Prefd. ...	28 6	28 0	27 6
Borax Consold., Dfd. Ord. ...	27 0	20 6	24 0
Bovril, Ord. ...	27 1½	23 9	25 3
"Dfd. ...	20 4½	17 0	17 0
British Industrial Plastics (formerly British Cyanides), Ord. 2s. shares	2 0	2 0	2 0½
British Drug Houses, The, Ord. ...	21 9	21 6	21 9
British Glues & Chemicals, 4s. Ord. ...	4 4½	4 6	4 9
British Oil and Cake Mills, Prefd. Ord. ...	41 0	40 0	42 3
British Oxygen, Ord. ...	71 0	76 3	81 6
British Photo. Indus., 6% Cum. Pref. ...	3 3	3 0	3 0
Burt, Boulton & Haywood, Ord. ...	18 6	16 9	17 6
Bush (W. J.) & Co., 5% Pref. £5 ...	100 0	97 6	100 0
Callard, Stewart & Watt, Ord. ...	3 7½	3 9	3 9
Cooper, McDougall & Robertson, Ord. ...	27 0	21 3	21 3
Crosfield (Joseph) & Sons, 6½% Pref. ...	27 0	25 3	27 6
Dubarry Perfumery Ord. 1s. ...	2 4½	2 4½	2 3
"7½% Pref. ...	21 6	21 0	21 0
Evans Sons Lescher & Webb, Ord. 6s. 8d. shares	3 9	3 3	3 3
"6% cum. part. Pref.	6 3	5 0	5 0
Field (J. C. & J.), Ord. ...	23 9	22 6	25 6
Galloway (P. H.), Ord. 2s. ...	2 10½	2 9	2 6
"7½% Cum. Pref.	26 0	23 9	23 9
Genatosan, Ltd., 1s. ...	5 0	5 1½	5 0
Gossage (William), 6½% Pref. ...	26 9	26 3	27 6
Greiff-Chemical H'dings, Cum. Pref. 10s. ...	9 9	9 3	9 3
"Ord. 5s. ...	5 3	4 3	5 0
Griffiths Hughes (Kruschen), Ord. ...	8 3	10 0	8 0
Grout & Co., Ord. ...	9 3	10 0	10 6
Hodders, Ord. 1s. ...	0 7½	0 6	0 7½
Ilford, Ltd., Ord. ...	26 9	25 0	24 9
"6% Pref. ...	25 0	23 9	23 9
Imperial Chemical, 7% Pref. ...	31 0	28 6	31 1½
"Ord. ...	30 9	29 3	31 9
Intern. Sponge Importers, 6% Pref. ...	3 6	4 6	5 0
Knight (John), 25% Prefd. Ord. ...	90 0	82 6	81 3
Laporte (B.) & Co., Ltd., Ord. ...	83 9	83 0	54 6
Lever Bros., Ltd., 7% Pref. ...	28 6	26 3	29 0
"8% Pref. ...	30 6	26 6	29 0
"20% Prefd. Ord. 5s. ...	18 3	16 3	18 1½
Lewis & Burrows, Ord. ...	21 3	21 3	21 3
"6% Pref. ...	20 0	17 6	18 9
Liebig's Ext. of Meat, Ord. £5 ...	£14½	£15½	£15½
Maclean's 6% Red. Pref. ...	21 6	21 9	21 9
Mellin's Food, 6% Pref. ...	1 3	2 6	2 6
Nathan, J. (Glaxo), 7% Pref. ...	21 6	21 9	22 6
"8% Prefd. 10s. ...	11 4½	10 9	12 0
"Ord. 1s. ...	6 0	4 6	5 0
Pears (A. & F.), 5% Deb. £100 ...	£107	£106	£107
Reckitt & Sons, Ord. ...	102 6	93 9	125 0
Sangers, Ord. 5s. ...	21 6	20 3	20 6
"Sanitas," The, Co., 9% Pref. ...	25 6	25 0	25 0
Sanitas Trust, 10% partic. Pref. ...	26 9	25 6	25 0
Smith (Stephen) & Co., Ord. 5s. ...	8 7½	7 6	7 6
Spratt's Patent, Ord. ...	46 6	47 6	49 6
Stevenson & Howell, 6½% Cum. Pref. ...	23 9	23 9	23 0
United Glass Bottle Man., Ord. ...	48 9	46 3	47 0
Veno Drug Co., 8% Pref. ...	24 0	23 9	23 6
Virol, Ltd., Ord. ...	29 3	27 6	27 6
"7% Pref. ...	24 6	23 0	23 9
White (A. J.), Ltd., Ord. 10s. ...	16 9	15 0	15 7½
White (Timothy) & Taylors, 7½% Pref. ...	28 7½	27 0	27 0
"Ord. 5s. ...	22 6	23 6	23 0
Woodlands, Chemists, Ord. 2s. ...	0 9	0 9½	0 7½
Wright, Layman & Umney (1932), 7% cum. Pref. ...	22 9	22 6	23 3

National Pharmaceutical Union

Executive Meetings

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4/5 Queen Square, London, W.C.1, on May 23, Mr. B. Pugh Davies in the chair.

A reply received from the Ministry of Health to representations made by the Union with a view to securing an increased dispensing fee for proprietary preparations and nebulae indicated that the Department saw no evidence that, in consequence of changed conditions or for other reasons, the dispensing fees for the classes of products were inadequate.

It was reported that a meeting of secretaries of branches in N.E. Division 3 had been arranged for June 11 by the secretaries concerned. The payment of expenses incidental to the meeting was sanctioned.

JOINT MEETING WITH WHOLESALE DRUG TRADE ASSOCIATION

The Executive received a report on a meeting on May 11 of the joint committee of the Union and the Wholesale Drug Trade Association. Matters discussed, which included charges made for containers, the position arising from remission of medicine-stamp duty licence-fees, and the possible introduction of a standard mark for identification of pharmaceutical preparations—packed drugs as well as proprietaries—whose retail distribution was limited to chemists, were left to be considered again at a later meeting.

MEDICINE-STAMP DUTY REMISSION

A report was received on the decisions taken by the special committee, composed of representatives of the Union, the Pharmaceutical Society, the Scottish Pharmaceutical Federation and other bodies, which had been appointed to consider matters arising out of the proposed remission of medicine-stamp duty and licence fees. The committee had decided to urge the Chancellor to postpone operation of the proposed repeal until such times as its effect on the public interest and on the position of chemists had been fully examined. Representations to this effect had been made to the Chancellor. Representations had also been made to the Minister of Health on public-health aspects of the matter, including the probable effects on main-

tenance of a National Health Insurance pharmaceutical service on the present financial basis of the intensified competition which would result from the repeal of the duties. Secretaries of local branches of the Pharmaceutical Society and of the Union had been asked to arrange interviews with their local Members of Parliament to explain to them the disastrous effects the remission of the duties would have on public-health interests and on the economic interests of chemists, and to ask for their support for action to be taken through parliamentary channels to secure postponement of the proposed repeal.

C.D.A. Matters

The secretary reported that since the last meeting of the directors there had been no developments in eighteen of the claims against members. Negotiations with the claimants had proceeded in eight other cases which had been left outstanding, and settlements had been effected in three of them. Nine further claims had been received, and of these five had been settled as follows:—Passer-by injured by falling ladder (payment of £8 14s. 6d.); illness alleged to be due to incorrect labelling of medicine (payment of £2 2s. to funds of voluntary hospital nominated by claimant); illness alleged to be due to foreign matter in medicine (payment of £20 and costs); personal injuries stated to have been caused by ear-drops (payment of £10 2s. 6d.); damage to clothing caused by ignition of potassium chlorate pellets (payment of £1 15s.); damage to adjoining premises caused by defective roof (payment of 10s. 11d.); damage to stationary car caused by cycling errand-boy (payment of £2 13s.); personal injuries to member of public caused by fall on defective stairs (payment of £120). It was reported that a member had been defended against summonses for failure to keep proper records in his D.D.A. register and to keep the drugs in a locked receptacle; a fine of £5 had been imposed on each of three charges. Another member had been defended against a summons for selling phenacetin and caffeine tablets which on analysis proved to be plain phenacetin tablets; a warranty defence was pleaded, but was not upheld—on the technical point that the chemist when ordering the goods had not asked for a warranty, but the summons had been dismissed on payment of costs. Legal advice had been given to members upon various subjects and thirteen analyses had been undertaken under the "free" arrangement.

Students' Military Training

It is announced by the Ministry of Labour that undergraduates now at the universities or university colleges who are affected by the Military Training Act will be permitted, if they so desire, to postpone their liability to be called up for military training until a date not being later than one month after the conclusion of their course of study as approved by the university. Any undergraduate who wishes to obtain such a postponement should make application on a form to be obtained at the time of registration from the local office of the Ministry of Labour and will be required to have the form certified by the proper university authority, stating (1) that he is a full-time member of the university, and (2) the date on which his approved course of study is due to terminate. It will be necessary in present circumstances and having regard to the possibility of a change in the circumstances of an individual (as, for example, a decision not to pursue the studies) to grant postponement of the liability for training for a period of one year at a time only, at the expiry of which a further application and certification will be necessary. Men intending to proceed to the universities after October 1939 will be granted permission to anticipate their liability for training in order to enable them to undergo their military training before proceeding to the university. It is proposed, save in exceptional circumstances, that they should be given permission, otherwise than on grounds of hardship, to postpone their liability if they proceed to the university before doing their training. Similar arrangements will be made as regards medical and dental students not members of universities and students at training colleges for teachers, agricultural, veterinary and technical colleges. It will not, in general, be practicable to postpone liability for military training in respect of part-time students.

Parliamentary News

MEDICINE-STAMP DUTIES

Mr. Keeling asked the Minister of Health, on May 25, whether he had considered the effect on the health of the public of the proposed repeal of the medicine-stamp duties; and what representations he had received on the subject?

Mr. Elliot: As regards the first part of the question, I would refer my hon. friend to the answer given on May 23 (see *C. & D.*, May 27, p. 574). As regards the second part, I have received representations against the proposed repeal from bodies representing retail chemists, and in favour of the repeal from an association representing the grocery, provision and allied trades in London and surrounding districts.

B.M.A. REPORT ON NUTRITION

The Minister of Health was asked recently whether, in collaboration with the Minister of Agriculture, he was giving consideration to the terms of the resolution unanimously carried at the conference on nutrition recently convened by the British Medical Association, urging the formulation of a long-term food policy, in which the requirements of health, agriculture and industry should be considered in mutual relation; and whether he was taking any steps to implement the suggestion in the resolution that an educational campaign should be launched to encourage increased consumption of foodstuffs held to be desirable on nutritional grounds?

Mr. Walter Elliot: The resolution has not yet been submitted to me, though I am aware of its terms and shall, of course, give careful consideration, in consultation with such of my right hon. Friends as are concerned with the matter in its various aspects, to any representations which may be made to me by the British Medical Association in support of it.

Insurance Act Dispensing

ENGLAND AND WALES

Derby.—A request by the North-East Midlands Prescription Bureau for instructions concerning a claim by a Gainsborough chemist for payment of an account for dispensing a medicine prescribed by a Derby doctor elicited the reply that the prescription should be returned to the chemist with an intimation that it could not be admitted for payment as he was not under contract with the Committee.

Exeter.—During January 17,550 National Health Insurance prescriptions were issued in the Committee's area.

Liverpool.—The Insurance Committee has approved a recommendation by the Pharmaceutical Committee on trading hours, as a result of which closing times will in future be 8 p.m. in the suburbs and 7 p.m. in the central area. Sunday hours will be from 12.30 to 1.30 p.m., and every chemist opening on Sunday is expected to advertise these hours on his list. Juvenile contributors brought on to the Committee's list since April 4, 1938, number 28,952, of whom 22,705 had been accepted on doctors' lists.

London.—The Insurance Committee has accepted the promise of an insured person who had stolen prescription forms from a doctor's surgery and used them for obtaining supplies of insulin that he will not repeat the offence. It is understood that little more than the proper supply had been obtained in this way.

South-Eastern Division.—The annual report of the Joint Committee for Pricing Prescriptions (South-Eastern Division), just issued, gives the number of prescriptions dispensed by chemists in the area in 1938 as 8,758,335. In addition 22,990 prescriptions were dispensed by doctors. Individual chemists' accounts totalled 32,543. Comparative statistics are set out in the following table:—

YEAR	Average Number of Insured Patients	Prescriptions	Value	Average Cost per Prescription	Frequency per Insured Person
			£ s. d.	d.	
1918 ...	932,580	2,730,997	85,730 17 6	7.5	2.9
1923 ...	1,170,018	3,718,126	136,327 8 8	8.8	3.2
1928 ...	1,393,323	5,289,325	190,512 15 8	8.6	3.8
1933 ...	1,727,695	6,868,746	239,576 4 0	8.4	4.0
1937 ...	2,034,878	8,598,564	314,738 6 2	8.8	4.2
1938 ...	2,150,905	8,758,335	327,282 14 0	9.0	4.1

It is mentioned in the report that pricing continues to be complicated owing to the large number of proprietary medicines ordered, and to the number of prescriptions for new chemical compounds ordered either by a coined name or by their chemical formula; and that the office priced eighteen per cent. of all the proprietary preparations ordered in England.

Staffordshire.—Withholding of £4 from a chemist's remuneration has been recommended by the pharmaceutical services subcommittee. It was stated that a doctor issued to an insured person at weekly intervals five insurance prescriptions marked "pulv. lobeliae co. 1 lb." The chemist supplied 2 oz. of the powder in respect of each prescription, and in the case of four other prescriptions calling for 8 oz. of pulv. lobeliae co. he again supplied 2 oz. At an inquiry, the chemist said that the quantity ordered struck him as abnormal, and as he felt that a mistake had been made by the doctor, he supplied 2 oz. in each case; he had no explanation to offer as to why he did not refer the scripts back to the doctor. The subcommittee considered that the fact that on nine occasions a chemist supplied a considerably smaller quantity than that ordered by a doctor without the latter's knowledge and consent could not be regarded otherwise than seriously, quite apart from the consideration that the chemist (or his manager) submitted for payments accounts over 13s. in excess of the value of the drugs supplied. The annual report of the Committee, recently issued, gives the number of chemists or firms under contract with the Committee as 241, in respect of 391 shops; and the average number of insured persons as 332,783, compared with 313,881 in the previous year.

Warwickshire.—The Pharmaceutical Committee met at Leamington recently. The secretary reported that inquiries

were being made as to the supply of urgent medicines to panel patients during the lunch hour, when pharmacists' premises were closed. Action was left in the hands of the chairman and secretary. It was agreed that the surcharge of a doctor for the supply of an elastic anklet was in order. Inconvenience and loss having been suffered on account of the short notice of the adoption of the new National Formulary, the secretary was instructed to communicate with the Ministry and request longer notice of any future alterations.

SCOTLAND

Glasgow.—The number of insured persons resident within the Insurance Committee's area at April 1 was 500,987, an increase on the previous quarter of 7,990 and on the corresponding quarter of last year of 38,090.

Stirling.—In a report to the Burgh Insurance Committee recently, the Panel Committee stated that while agreeing with the principle that proprietary medicines should not be allowed, they had reluctantly come to the conclusion that such a rigid standard was no longer tenable, and recommended that drugs adequate for the treatment of diseases according to modern standards should be made available to insured persons. They submitted that certain types should still not be allowed, but the proprietaries considered essential should form a charge on the drug fund; the Department of Health for Scotland were quite willing to advise the Panel Committee as to the value of new proprietaries. It was remitted to the Panel Committee to take steps to procure a list of necessary proprietaries.

West Lothian.—The Insurance Committee has agreed to pass on to the Department of Health for their observations a report submitted by the pharmaceutical service subcommittee on an inquiry made by them into the supply, by a panel chemist, of jaconet that the analyst's certificate pronounced defective and also into alleged defects in the strength of pills furnished by another chemist.

"C. & D." Retail Price List

The index figure for drug prices at the end of May was 156.0, being 0.1 higher than in April, and compares with the figure of 154.3 in May 1938. Several prices had fallen during the month, but all syrups have advanced by one penny per pound. In surgical dressings there is no change in the index, being 138.2 as against 138.5 in May 1938. The important changes for selling and dispensing prices by retail are as follows:—

Cost		Selling Price			
		Drugs and Chemicals			
d.	per	16 oz. s. d.	4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
25	oz.	Acid. mandelic	—	—	3 8 0 6
126	lb.	Agar (shredded)	—	4 6	1 3 —
132	lb.	Agar pulvis	—	4 9	1 4 —
246	lb.	Calcii mandelas	—	8 9	2 8 0 5
10	oz.	Collod. bellad. B.P.C. ..S.I.(5)	—	—	1 5 0 3
27	dr.	Ephedrina alk. .. ..P.I.(8)	per	gr.	0 2 4 0
21	dr.	Ephedrinae hydrochlor..P.I.(8)	per	gr.	0 2 3 1
21	dr.	Ephedrine sulphas ..P.I.(8)	per	gr.	0 2 3 1
120	lb.	Ext. ergot. liq. .. ..S.I.(5)	—	4 5	1 3 0 3
138	lb.	Ext. ergotæ liq. '14 ..S.I.(5)	—	5 0	1 5 0 3
150	lb.	Ext. senegæ liquidum	—	—	1 7 0 3
60	lb.	Inf. senegæ conc.	—	2 2	0 8 0 2
105	lb.	Lin. belladonnæ .. ..S.I.(5)	—	3 9	1 1 0 2
30	lb.	Lin. bellad. meth. ..S.I.(5)	—	1 1	0 4 0 1
39	lb.	Ol. cadinum	—	1 5	0 5 0 1
72	oz.	Saccharinum solubile	per	gr.	0 2 1 6
25	oz.	Sodii mandelas	—	—	3 8 0 7
48	lb.	Syr. senegæ	—	2 4	0 8 —

Trade Notes

ANZORA.—British & International Proprietaries, Ltd., Africa House, Kingsway, London, W.C.2, announce the introduction of a new and popular size of Anzora cream and Anzora viola.

ICILMA CO., LTD., London Road, Isleworth, Middlesex, are presenting make-up bands with the Icilma home beauty treatment set. Further details will be found in the company's advertisement in this issue.

CLOSED ON SATURDAYS.—Chesebrough Manufacturing Co., Cons., Victoria Road, Willesden, London, N.W.10, will close their factory, warehouse and offices on Saturdays during June, July and August 1939.

ANNUAL OUTING.—Wright, Layman & Umney, Ltd., manufacturing chemists, London, S.E.1, and Dakin Bros., Ltd., wholesale druggists, London, S.E.1, will be closed for their annual outing on June 10.

MIXING AND SIFTING MACHINERY.—Wm. Gardner & Sons (Gloucester), Ltd., Bristol Road, Gloucester, issue an excellently illustrated catalogue of their sifting, mixing, grinding and other machines. The list not only contains details of the apparatus but also explains what particular purpose an apparatus is suitable for treating.

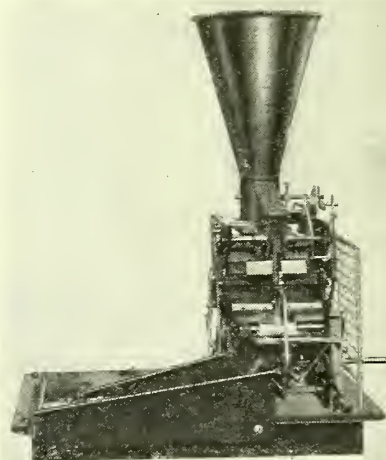
TWO NEW GLAXO PRODUCTS.—Glaxo Laboratories, Ltd., Greenford, Middlesex, have introduced two new preparations to their G. L. range, namely Flavogel and Mersagel. The former presents acrilavine at the usual concentration of 1 in 1,000 in a water-soluble base. Mersagel is a fungicide jelly containing phenyl mercuric acetate 1 in 750. Both products are packed in 1½-oz. collapsible tubes.

META-TITANIUM LABORATORIES, LTD., 25 Bedford Row, London, W.C.1, are about to place before chemists proposals of an unusual character in connexion with the introduction of Metanium proprietaries to the British market. The aim is to provide finance to make possible a national advertising campaign for educating the public to appreciate the value of the chemist. The money obtained under the scheme will be under the control of the National Pharmaceutical Union, and all the company's products are to be on the Chemists' Friends list.

HEALO OINTMENT.—Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, ask us to point out to chemists that all their publicity in connexion with Healo ointment directs the public to purchase supplies from the chemist, and in support of this scheme they are offering a bonus, details regarding which may

MERCURIALS.—Kirkpatrick, Barr & Paton, 4 Cullum Street, London, E.C.3, have been appointed sole concessionnaires in Great Britain and Eire for the mercuric salts and other chemical and pharmaceutical products of Farmaceutici Italia, S.A. ("Montecatini Group"), Milan.

FILLING AND WRAPPING MACHINE.—Manesty Machines, Ltd., 5 Speke Hall Road, Liverpool, 19, have brought out for powder filling, wrapping and sealing a machine which is entirely automatic. It is entirely self-contained and self-operated and one attendant can look after a number of machines. The powder is simply put into the stainless-steel hopper and is delivered in exact amounts, filled, wrapped and sealed. It is made in two sizes—No. 1 up to 12 grains and No. 2 from 12 to 250 grains. It is accuracy itself, and it is a simple matter to change from one weight to another of any kind of powder. The machine only delivers perfect packets. Should the hopper run empty or the papers become torn or crumpled the machine automatically stops. Faulty or damaged packets are stated to be impossible, and should an empty packet be formed the machine stops and will not allow it to get mixed with the others.



SUNTONE.—C. A. Critchley & Co., Ltd., manufacturing chemists, Blackburn, are the makers of a preparation called Suntone. The application of this product to the skin forms a protection against the heat rays of the sun, and at the same time acts as a skin food.

STANDARD ROLL FILMS.—The Standard Photographic Supplies, 15 Leam Terrace, Leamington Spa, make an announcement elsewhere in this issue of considerable interest to chemists. Some details are given of Standard superchrome photographic roll films, and further details will be supplied on application.

A NOVEL SCHEME.—J. & E. Atkinson, Ltd., Bond Street, W.1, give details in their advertisement in this issue of an unusual scheme for promoting the sales of their true flower perfumes. With each bottle of these perfumes there is an invitation card entitling the bearer to a buttonhole of fresh real flowers. The card is taken to a florist displaying Messrs. Atkinson's showcard, when a buttonhole free of charge will be supplied.

EGG AND OATMEAL PACK.—The Baldwin Manufacturing Co., Ltd., 1 Bruton Street, London, W.1, have added to their range of beauty products Le Masque de Paris egg and oatmeal pack. This is produced in two grades: for greasy skins and for dry skins. The product is to be advertised in the leading women's journals. The company also inform us that the Baldwin hair-removing glove continues to command a ready sale.

AN ALL-BRITISH DEVELOPING TANK.—Johnson & Sons, Manufacturing Chemists, Ltd., Hendon Way, Hendon, London, N.W.4, are about to place on the market an all-British tank for developing photographic roll films. Made of bakelite, this apparatus consists of four principal parts, the tank, the lid, the spiral reel (adjustable for five sizes of films) and the stirring rod. The amount of solution required varies from 10 to 18 oz., according to the size of the film, the appropriate quantities being clearly marked on the lid of the tank. A number of distinct advantages are claimed for the tank; for example, it is easy to load in the dark, it has anti-stick film grooves and a Coaster pattern solution agitator. The lid is easily fixed and there are triple light excluders.



be obtained on application. The company inform us that they have no intention of changing their policy in regard to selling through chemists whatever may happen before or subsequent to September, nor have they any intention of introducing a smaller size for sale at a popular price.

Personalities

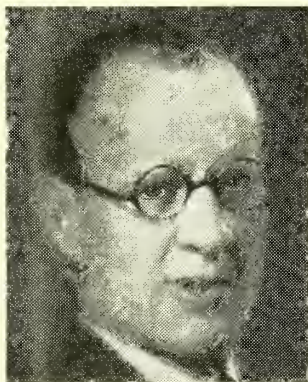
MR. P. W. LABRAHAM, this year's chairman of the North-East London Branch of the National Pharmaceutical Union



MR. P. W. LABRAHAM

(C. & D., May 20, p. 540), entered pharmacy through the business of A. G. Chamberlain & Co., Rugby, qualifying in 1921. His first London experience was with J. G. Shirley & Son, Westbourne Grove, W.2, and he had further experience as manager at Acton, in the West End of London, and in Kent, before acquiring the business at 194 Cassland road, London, E.9, established in 1870 by the late Mr. Margey. During the Great War he served with the Warwickshire Yeomanry and the Machine Gun Corps in the Dardanelles, Egypt, Palestine, and France. Mr. Labraham qualified in 1921.

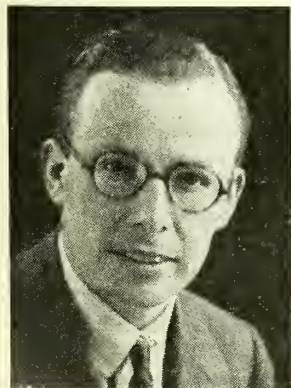
MR. ERIC A. BROCKLEHURST, who has been elected president for 1939-40 of the Hull Chemists' Association and Branch of the Pharmaceutical Society (see p. 590), is in business in Willerby Road, Hull. He has served on the committee of the local branch for many years, and is a former treasurer. He is a member of the Executive of the National Pharmaceutical Union, on which he represents N.E. Division III. Last month he was elected to the Central National Health Insurance Committee. Educated at Hull Technical College and the Royal Dispensary, Edinburgh, he qualified in 1927. His wife (*née* Netty Taylor) is also a qualified chemist, and on the Committee of the Hull Association.



MR. E. A. BROCKLEHURST

MR. H. E. MANN, formerly of Petersons, Ltd., manufacturing chemists, Cape Town, is at present on a visit to this country and will be returning to South Africa in September.

MR. COLIN GUNN, B. PHARM., PH. C., the chairman for the year of the Leicester and Leicestershire Branch of the Pharmaceutical Society, served a four-year apprenticeship with Mr. James B. McLaren, Kirkcaldy, later spending over two years in Edinburgh with the late Mr. George Lunan, Ph. C. (a former member of the Scottish Board of examiners) whose pharmacy was well known in Scotland as a training ground for young pharmacists. He passed the Qualifying examination and secured his Ph. C. diploma after a course at the Heriot Watt College, at which he was subsequently appointed a member of the staff. During his association with the Heriot Watt College he was for some time secretary of the Edinburgh Chemists' Assistants' and Apprentices' Association, giving up office on leaving the city.



MR. C. GUNN, B. PHARM., PH. C.

In 1929 he was appointed lecturer to the Leicester School of Pharmacy (Leicester College of Technology), and has taken an active part in the social life of the school and in keeping alive

the connexion between old students and the school, chiefly through the school magazine (the "Tonic") and the annual reunion. His activities outside the college include membership for some years of the council of the local branch of the Pharmaceutical Society, lectures to the Branch, and to the chemistry section of the Leicester and Leicestershire Literary and Philosophic Society and Leicester Biological Society. He has contributed papers on various occasions to the British Pharmaceutical Conference.

Births

Notices for insertion in this column must be properly authenticated.

MACNAB.—On May 22, Hannah M. Macnab, B. Pharm., Ph. C., the wife of Ronald H. Macnab, B. Pharm., Ph. C., 2 Upper Park Road, London, N.W.3, of a daughter.

THOMAS.—At Glenalty, Kelso, on May 25, the wife of Henry T. Thomas, M.P.S., 15 Square, Kelso, of a son.

Marriages

AINLEY—CLARKE.—At St. Gabriel's Church, Heaton, Newcastle-on-Tyne, on May 24, Derek Ainley (director, Deacon Chemical Co., Ltd.), Newcastle, to Nora M. Clarke.

SANGER—GOUGH.—On May 1, Sir Ernest Sanger, J.P., Hurley, Maidenhead, to Margaret C. Gough.

Deaths

EDMONDSON.—Recently, Mr. Alan Edmondson, M.P.S., Highfield, Barnoldswick Road, Barrowford, Nelson, aged twenty-five.

HARBER.—On May 20, Mr. Ernest William Harber, M.P.S., 110 High Street, Kingsheath, Birmingham, aged fifty-two.

MOFFATT.—At 31 Ormiston Crescent, Belfast, on May 28, Mr. David Moffatt, M.P.S.N.I. Mr. Moffatt was a Ministry of Home Affairs inspector under the Pharmacy and Poisons Act, 1925. He qualified in 1920 and was registered under the Northern Ireland Society in 1925, taking up his appointment as inspector a year later. During the Great War he served in the 36th Army Division of the Royal Army Medical Corps with the 110th Field Ambulance and later as sergeant-major to the 98th Field Ambulance of the 30th Division. He was awarded the Military Medal for gallantry. Mr. Moffatt is survived by his widow.

MULLOCK.—On May 26, Mr. John T. Mullock, aged seventy-two. Mr. Mullock joined Lamb & Watt, Ltd., wholesale wine merchants, in 1881, and was appointed secretary of the company upon its incorporation in 1914. Subsequently he was elected to the board of directors, and served in this capacity until his death, though he retired from active participation in the company's affairs in 1934.

PEARSON.—Recently, Mr. Joseph Pearson, M.P.S., 55 East Street, East Stanley, co. Durham, aged fifty-four. Mr. Pearson had been for the last thirty years manager of the pharmacy department of the West Stanley Co-operative Society. Prior to that he was in business on his own account in the town. He was a past-master of the Elevation Lodge of Freemasons.

Recent Wills

MR. SAMUEL STOREY BADGER, J.P., Ph. C., Magherafelt, co. Londonderry, who died on March 18, left estate in England and Northern Ireland valued at £4,545.

MR. THOMAS CLARKSON, J.P., chemist and druggist, Westbourne Road, West Hartlepool, who died on April 4, left estate of the gross value of £11,841, with net personality £9,489.

MR. WILLIAM JAMES JACKSON, Northlands, Sands Lane, Bridlington, Yorks, a director of William Hay, Ltd., manufacturing chemists, London, who died on February 14, left property of the value of £11,861, with net personality £10,530.



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THE CHEMIST AND DRUGGIST

VOL. CXXX

June 3, 1939

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"The Chemist and Druggist"

MR. E. G. BRYANT, PH.C., B.Sc., PH.D., has been appointed Editor of THE CHEMIST AND DRUGGIST in succession to Mr. A. S. Geddes, Ph.C. Dr. Bryant will take up his duties in August.

The Ministry of Supply

THE Bill for the establishment of a Ministry of Supply was presented to the House of Commons on May 25. This legislation is a further link in the chain of national defence measures adopted by the Government during the past twelve months. Powers of the widest character are taken for the control and direction of industry and commerce, if such actions are considered necessary in the national interest, not only in time of war but, to some extent, from the date the Bill receives the Royal Assent.

Parts I and III of the Bill contain permanent provisions, and Part II gives special powers for use at the present time, which will be operative for three years and longer, if necessary. General powers are given to the Minister to purchase, manufacture, store and transport any articles required for public service and to erect buildings. The new department will only act as a central purchasing agency for other Government departments when such powers are given by Orders in Council previously approved by Parliament. The scope of such powers to be transferred to the Ministry at its establishment will be shown in a White Paper to be laid before Parliament in advance of the second reading of the Bill.

Clause 18 provides an extremely wide interpretation for the phrase "articles required for public service," as follows: "(a) articles required by any Government department for the purpose of the discharge of its functions; (b) articles which, in the opinion of the Minister, would be essential for the needs of the community in time of war; and (c) anything which in the opinion of the Minister is or is likely to be necessary for or in connection with the production of any such article as aforesaid." Under Clause 4, power is given to

finance the accumulation of reserves, if this is considered the most effective way to secure the carrying out of the defence programme, or, in emergency, the maintenance of essential civil industries.

Part II provides for temporary powers to secure priority for the execution of Government orders, to requisition output, to acquire storage room, to examine costs of production and to fix prices. Protection for contractors in regard to private contracts set aside is given. Under Clause 12 essential plant will be required to be protected against air-raid damage, as directed by the Minister. A grant of 27½ per cent. of the cost of the work will be made at the time it is carried out and, under certain conditions, further assistance will be given in the following years. Part III of the Bill is concerned with financial matters and authorises expenditure up to £30,000 a year for staff, with the Minister receiving £5,000. For the acquisition of stocks, plant, land and reserves in the hands of traders no estimates are available at present, but the cost of protection of essential plant is estimated at £2,000,000 to £2,500,000.

While the provisions of the Bill will give the Minister concerned general and almost unlimited powers to direct and use the industrial resources of the country for the purpose of accelerating the completion of the national defence programme, it seems probable that his first actions will be in the direction of setting up a central purchasing organisation on behalf of all Government departments which, at present, purchase their requirements separately. While, possibly, there may be a certain reluctance to the transfer of such powers to the new department, the concentration of buying should lead to economy and the avoidance of delay.

The effect this legislation may have on the chemical and allied industries is at present indefinite; so much will depend on the international position and the national requirements. It is, however, quite possible it may be considered desirable in the national interest to enforce the compulsory protection of certain chemical plants from damage by air raids. The necessity of disturbing as little as possible the normal commercial activities of all branches of the industry will no doubt be appreciated by the Minister, and it is to be expected that only in cases of emergency will the more drastic clauses of the Bill be used in the national interest.

Research in Nutrition

A REPORT issued as a League of Nations publication ("Guiding Principles for Studies on the Nutrition of Populations," C.H. 1401, March, 1939) forms a useful survey of work that was not available when the League's Technical Commission on Nutrition completed its previous report (C. & D., 1936, II, 157). The author of the present compilation is Dr. E. J. Bigwood, a Brussels professor of biochemistry, medical chemistry and nutritional hygiene; and a glance through the appended bibliography makes it evident that he has been a diligent contributor to recent research in this field. The keynote of the report (Allen & Unwin, Ltd., 6s.) is the scientific caution with which the author avoids premature deductions and sets forth the formidable difficulties in the way of establishing conclusions likely to become permanent. On the first page, indeed, he enters a caveat as to standardisation of methods and comparability of results. Readers who are primarily interested in the scientific aspects of the subject will

probably not spend much time over the technique of conducting inquiries, with the relevant annexes. These, however, have their place in the author's scheme; and it may be noted in passing that among the questions scheduled in the most elaborate of the four types of inquiry described is one relating to medicines taken, "if any."

Having obtained sufficient data to justify collation—and it must be borne in mind that in the present survey dietetics and somatology are alike concerned—the investigator proceeds to apply the accepted tests for calorie value, vitamin content, mineral constituents, and so forth, and, if he can, to evolve improved processes of estimation. As Dr. Bigwood points out, any calculation of the energy value of a diet "is of but slight value unless the published report of the survey shows all the data from which the calculation has been made." Scales of energy allowances drawn up by the Technical Commission and published last year show a considerable modification of the original "basic requirements": in the case of a man "weighing about 70 kilograms" and "aged 20 to 59 years," for instance, the 2,400 net calories per diem suggested in sedentary occupations are increased in four stages up to a maximum of 4,500 net calories for a day of seven working hours. The author discusses the daily intake of calcium (0.75 gm. to 1.0 gm.), phosphorus (1.0 gm.) and other familiar elements, and the calcium-phosphorus ratio, before entering on the more difficult and debatable topic of vitamins. "The experimental scientist," he writes, "is beset with great difficulties at every turn when he has to adopt a vitamin-content value for each item of food." Further, "any and every symptom of deficiency is not therefore necessarily to be attributed to a defective diet; and even when this is the case, the defect may be of many different kinds." Dr. Bigwood gives the following as approximate

daily allowances of four vitamins for an adult: A, 2,000 to 4,000 international units; B, 300 I.U. for a man using 3,000 net calories; C, at least 30 mgm.; D, not estimated, but for a child 400 to 500 I.U. The Technical Commission fixed, in 1936, the daily adult protein allowance at 70 gm. for a man.

The effects of dietary deficiencies in the body are not easy to ascertain with precision. A striking example of unforeseen differences is cited on p. 153 of the Report, where it is related that in a prison camp during the Great War, Russian and Rumanian prisoners, fed on the same diet, contracted respectively scurvy and pellagra. Among the data suggested by the Health Committee of the League as of significance in suspected cases are determination of the hæmoglobin content of the blood and of its protein content, fatigability after moderate exertion, and signs of avitaminosis. It is also advised that each "subject" should undergo "a complete medical and psychiatric examination." Such investigations, if sufficiently thorough, become "biotypological"—i.e., suited to the purpose of working out graphs characterising under-nourished persons or groups of persons. The tests proposed include a record of the dorsal median furrow; ocular and other data for vitamin-A deficiency; estimation of the phosphatase content of the blood and of its vitamin-C content; a vascular resistance record; estimation of the protein content of the blood; and estimation of the usual chemical elements. We notice that the author uses the perennially troublesome term hemeralopia in the sense usually assigned to nyctalopia in this country—another instance of difficulty in agreeing as to nomenclature; and we regret the use of so cumbersome an expression as "latent vitamin pre-deficiency." Such minor points, nevertheless, do not diminish our appreciation of this record of recent work in a sphere of the first importance.

Recent Research

Isomenthone from Algerian Geranium Oil

ACCORDING to Angla ("Chimie et Industrie," 1939, 41, (2), 234), Algerian geranium oil contains approximately 10 per cent. of carbonyl compounds, mainly isomenthone. A sample of oil, typical of those examined, had the following characters: n_D^{20} 1.4693, ketones (as isomenthone) 9.6 per cent., acid value 4.2, ester value, 65.8, esters 27.7 per cent. The isomenthone was isolated from the oil by means of semicarbazide hydrochloride and Girard's reagent and the refractive index, n_D^{20} 1.4535, is typical of the ketone. The author emphasises that the ketone is very readily racemised by acid or alkaline reagents and explains the fact that the optical rotation of the oil falls on storing as due to the action of the acid on the isomenthone. The presence of the isomenthone in the higher boiling fractions of an oil can be used to indicate its genuine character

New Hydrocarbon from Juniper Oil

CASPARIS and Freund ("Pharmaceutica Acta Helvetica," 1939, 14, (1), 1-8) report an examination of oils from juniper berries in which fractional distillation gave 0.17 per cent. to 0.345 per cent. of a new hydrocarbon which they name "junen." This terpene, of the formula $C_{10}H_{18}$, having the constants d_4^{20} 0.8242, n_D^{20} 1.4701, b.p. 164-166°/760 mm., molecular refraction 46.1, displayed strong diuretic properties. A solution in acetic anhydride gave a red coloration with a drop of sulphuric acid, and when reduced in acetic acid solution, using a barium sulphate-palladium catalyst, the terpene gave dihydrojunen, $C_{10}H_{18}$. It was found that the yield of pure terpene was greater by adopting a distillation technique than

by the method of Straub, which involved extraction of the junen from the oil with 65 per cent. alcohol. The terpene did not give crystalline derivatives with hydrogen chloride, hydrogen iodide, nitrosyl chloride or bromine, and the authors suggest that it is a cyclopentane derivative. The juniper oils examined, distilled from berries collected in the Tyrol and Italy, contained, in addition to the junen, α -pinene, camphene and cadinene.

New Organic Thorium Compound

COLLOIDAL thorium dioxide, which possesses an appreciable degree of radioactivity, if injected, deposits in the liver and spleen particles of thorium dioxide which will remain for years. Greenbaum and Peters (in a paper read before the American Chemical Society, April 6), state they found that sodium thorium tartrate, which is readily soluble in water, does not cause deposits of thorium particles in the liver, in the spleen or any other organ. The compound has a definite radioactivity which, however, is only half that of colloidal thorium dioxide. It was established that highly concentrated sugar solutions, such as 50 per cent. sucrose or dextrose, screened out some of the gamma rays of this radioactivity, and a 25 per cent. solution of sodium thorium tartrate in 50 per cent. sucrose seemed to possess sufficient density to prevent the α -rays from penetrating. Experiments showed that if a 25 per cent. solution of sodium thorium tartrate is given orally to rabbits in doses of 1 c.c. and 10 c.c. for a period of one and two months, the α -ray pictures of these rabbits do not show any change in the bone structure, or any fluorescence under the fluoroscope. Ingestions of 10 c.c. and 20 c.c. of the solution in the stomach showed a distinct outline of the stomach and its rugae. No radioactivity could be found in rabbits that have been treated with the thorium compound.

Diseases and Their Treatment

III—Common Skin Diseases

THE pharmacist is constantly being asked to give advice on the treatment of skin diseases, as many people suffering from skin troubles rarely consult a medical man in the first instance. Some of the commoner skin conditions will, therefore, be considered.

Pediculosis Capitis

This is the term given to the condition of lousiness of the head. The louse lays eggs which adhere to the hairs. The lice themselves are rarely seen, but they are usually found to rest amongst the hairs at the back of the head, and are often more or less of the same colour as the infected hair. The louse lives on the blood of the scalp, and a few small abrasions are generally to be found on the latter. This condition tends to cause itching which, in turn, increases the extent of the abrasions, and may lead to infection by bacterial organisms. The treatment consists in first killing the pediculi or lice, and in secondly getting rid of the eggs or "nits," as they are more commonly termed, which adhere to the hairs. For killing the lice, sassafras oil is excellent, although its odour may be objected to. One of the best remedies of all is lysol, and a teaspoonful should be mixed with a pint of hot water and applied to the hair for a quarter of an hour for several nights. To get rid of the nits the hair should be soaked with warm vinegar, dried with a coarse towel and then combed with a fine-tooth comb.

Scabies

Scabies, or the itch, is a most irritating disease. It is rarely met with in persons of cleanly habits. It is due to infection by an insect. The female burrows into the skin and lays her eggs in the burrow. The commonest positions for these burrows are between the fingers and on the front of the wrists and armpits. The itching caused is intense, and heat, as when the patient is in bed or sitting in front of the fire, aggravates it. The best treatment consists undoubtedly in adequate cleansing with hot water and soap, with the use of a stiff brush, and the thorough application of ung. sulphuris, but this should not be used for more than three or four days at a time, as it readily sets up an inflammation of the skin. At the end of the fourth day at latest it is advisable to change to the following ointment:—Betanaphthol. gr. x., zinci oxidi. 5j., adip. lanæ hyd. et. paraff. moll. flav., ad 5ss. Bed and body clothes must also receive attention, as reinfection may readily take place from these.

Ringworm

Ringworm may affect the scalp or any other part of the body. It may occur on exposed parts or on portions of the skin covered by the clothing. The typical appearance is a red, somewhat scaly-looking ring of varying size. It is caused by infection with a fungus, and a common situation is the side of the neck. The simplest method of treatment is to paint the affected area of skin with the tincture of iodine. Alternatively an ointment may be used which consists of: Hydrarg. ammon. gr. v., sulphur præcip. gr. xv., paraff. moll. flav. 3j. Ringworm of the scalp is a much more difficult condition to treat. In this case there are one or more circular patches on the scalp. Each patch is slightly red and is covered with scales and broken hairs. The treatment is similar to that given above, but in the majority of cases more drastic treatment is required. As a rule it is well to begin by cutting the hair quite short near the affected patch. Then the patch should be thoroughly washed with spt. saponis kalin. Thereafter the patient should be instructed to rub in an ointment composed of equal parts of ung. sulphuris and ung. hydrarg. ammon.

Sycosis

A very troublesome condition is that known as a "foul shave." It is found on the hairy parts of the face. It starts as a minute pimple or pustule. A crust forms on the top of this and the disease rapidly spreads. The infection is produced by a pus-forming organism and is caused by the use

of an infected razor. As the hair grows it becomes matted together with the pustules and crusts, and the patient's appearance is usually distressing. The first thing to do in such cases is to get rid of as many of the crusts as possible by bathing with hot water and soap. Thereafter the surest remedy is to pull out the hairs with a special pair of forceps. Failing this, the patient may be asked to try the effect of ung. iodi. denigrans.

Impetigo

This is a very common skin affection in school children, which is readily spread by towels, sponges, etc., from one child to another. When fully developed, the condition is extremely typical. Yellowish crusted patches are visible at the corners of the mouth, chin, cheeks and round about the ears. The condition is due to infection of the skin by pus-forming organisms. The patient may spread the condition to other parts of the body by scratching an infected area and then touching some other portion of the skin. In treating the condition the crusts must first be got rid of by soaking them with warm olive oil and then washing (and picking them off) with warm water and soap. After removal of the crusts a mild antiseptic ointment should be applied, such as: Hydrarg. ammon. gr. v, zinci oxidi gr. xx., paraff. moll. flav. 3j.

Warts

Most pharmacists have some favourite remedy which they recommend, but unfortunately these are not always successful. The following paste, which may be tried as an alternative, has sometimes acted like magic, although it, too, may be found unsuccessful at times: Sulphur. præcip., acid. salicyl. aa. gr. xiv., pulv. amyli. 5j., paraffin moll. flav. 3j. An excellent remedy is carbon dioxide snow, and trichloroacetic acid is by far the most successful acid to recommend. Painting with silver nitrate merely stains the skin, but does not destroy the wart.

Baldness

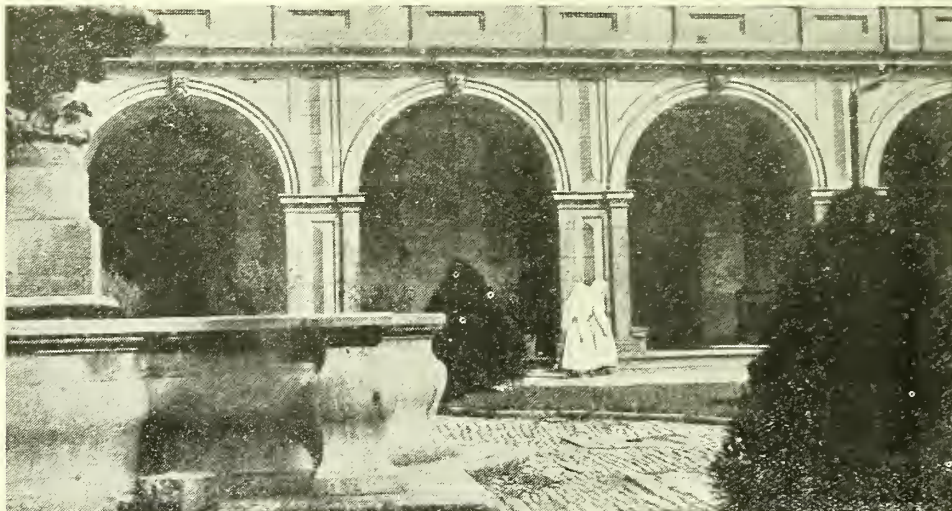
It is well to remember that this may readily be caused by certain cheap forms of shampoo, a fact which should be better known than it seems to be. The use of proprietary lotions for baldness requires care, as they are by no means suited to every case. A common cause is dandruff (see below). In treating those who suffer from baldness, it is first necessary to find out whether the scalp is dry or greasy. If dry, a lotion such as the following may be useful: Liq. ammon. fort. 5j., chloroformi 5ss., old. sesami 5ss., spt. rosmarini ad 3j. If the scalp is greasy, the oil should be omitted. In any case, benefit will be derived from massaging the scalp with the fingers of both hands after bathing it with hot water night and morning. Above all, it should be borne in mind that baldness may be caused by conditions of the teeth, nose, throat or eyes, and these should be seen to if the baldness does not yield to the treatment suggested above.

Dandruff

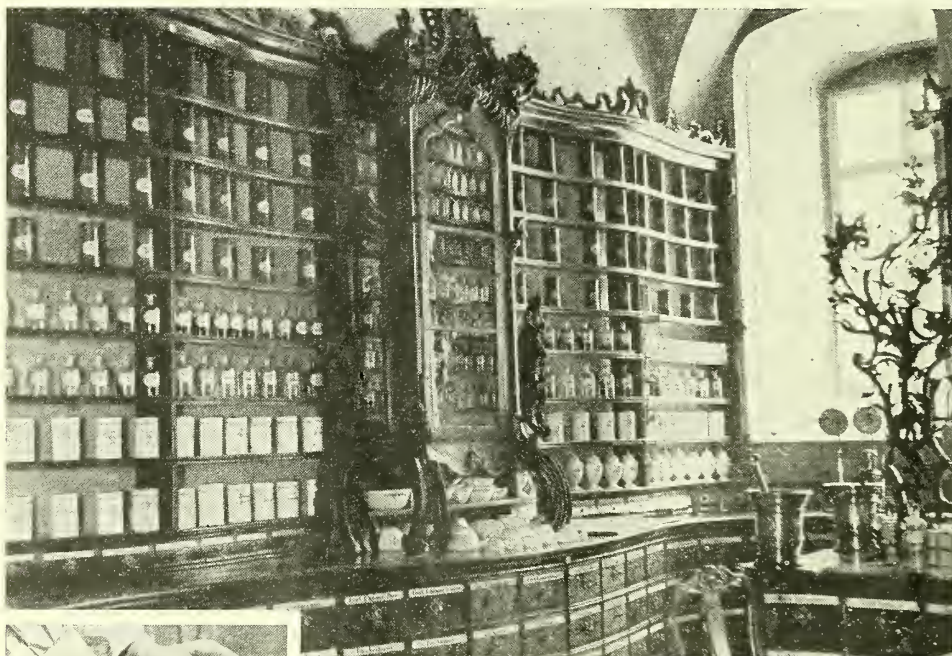
Scaliness of the scalp, or dandruff, as it is popularly termed, is often very troublesome. It is common in those who work in a hot atmosphere, such as cooks. The scales accumulate round the hair, and come off whenever it is brushed. Treatment consists in washing the scalp once a week, not oftener, with a good superfatted soap and one of the best ointments to apply consists of: Acid. salicyl. gr. v., resorcin. gr. x., sulph. præcip. gr. xx., paraff. moll. flav. 3j. The application of a dandruff lotion is also beneficial. Attention to diet and bowels often turns an intractable case of dandruff into one which can be speedily cured.

BLOOD DENSITY IN PNEUMONIA.—From investigations carried out on the blood of fifty-four patients during the acute stage of acute lobar pneumonia it was found that the specific gravity of the blood tends to rise with the severity of the illness, and that a high mortality was associated with a specific gravity over 1.062 ("Lancet," May 13, p. 1097).

A Rococo Pharmacy



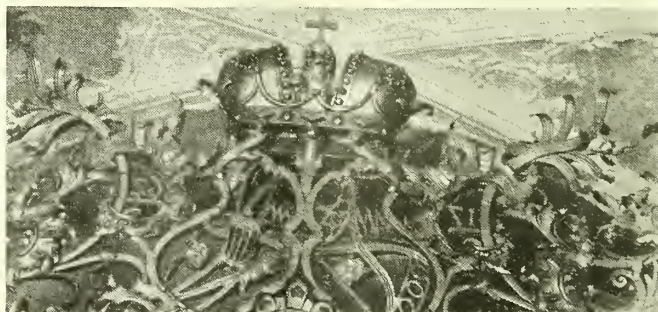
The private pharmacy of the Julius hospital, Würzburg, occupying a wing of the main building.



General view of the pharmacy, showing original fittings unaltered.

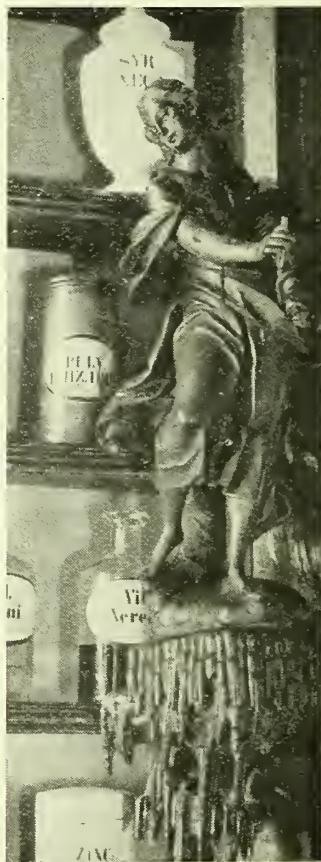


Mortar, bearing date 1761, still in use in the pharmacy.

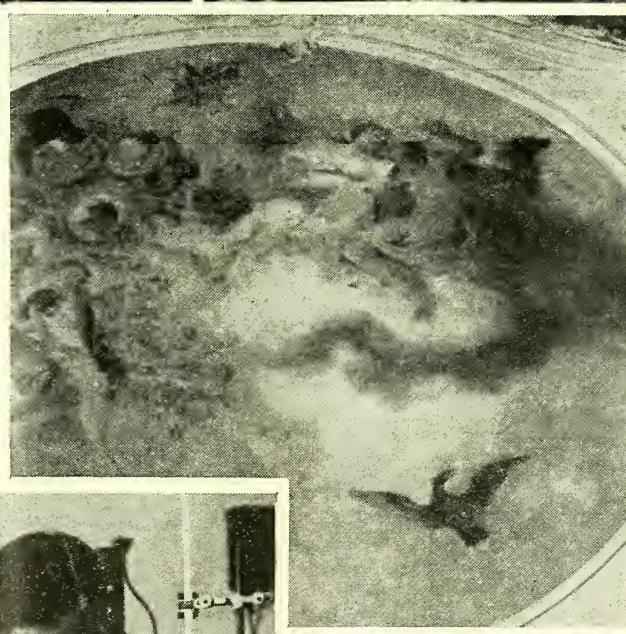


Details of wrought iron crown and scroll work in screen.

THE apothecary's shop at Würzburg, Bavaria, is one of a number of little known historical treasures of that city. According to ancient records the Prince Bishop Peter of Dernbach, in 1679, caused a pharmacy to be attached to the Julius hospital in order to supply its requirements of drugs and medicines. As, however, this first centre of pharmaceutical activity was not for long sufficient for the hospital's needs, the Prince Bishop Sensheim added a pharmacy in the second front wing. This is the rococo pharmacy which still stands to-day in its original form. It is not easy to understand what induced the constructor to choose the gay and florid rococo style for premises intended for such serious and responsible activities. None the less, the impression which one gains on entering the place is one of harmony and grandeur and its very spaciousness is impressive. A double cross-arched vaulting, with circular inset, spans the room. The panels of the vaulting show frescoes by Talheimer, depicting scenes from the three kingdoms (mineral, vegetable and animal) whence pharmaceutical pre-



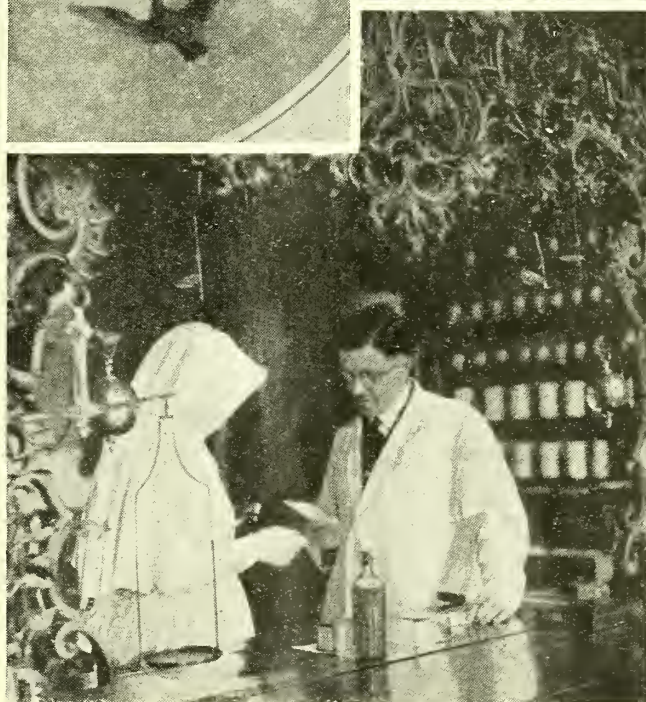
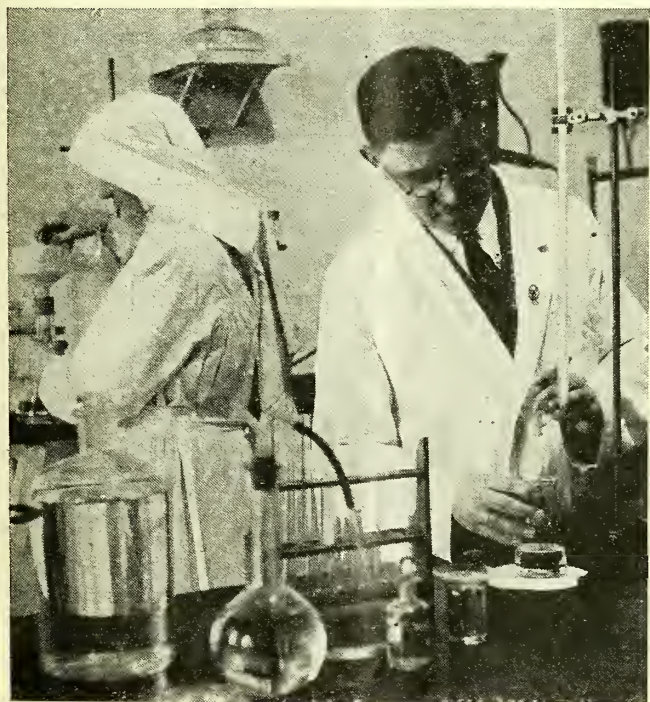
Carved wood figure in odd contrast to stock bottles and jars.



FIRST ROW: *Left*, Old copper utensils and apparatus in spare room. *Right*, Sisters of the Franciscan Order act as assistants to the pharmacist.

SECOND ROW: *Left*, Unrestored painted ceiling, preserved intact. *Right*, Detail of wrought iron work.

THIRD ROW: *Left*, Despite its mediæval setting, the work carried out to-day is performed with modern apparatus. *Right*, A sister receives finished medicine for a hospital patient.



ducts are derived. In the centre painting Flora, goddess of the vegetable kingdom, encounters Apollo, the Greek tutelary god of medicine. No less imposing is the equipment of the room. The two side walls are cased with a large glass-fronted medicine cupboard. Delicately arched lines lead the eye almost unconsciously to the three tall windows between which stand two other cupboards, carved to symbolise the four seasons. The laboratory table stands centrally in the room, its shape adapted harmoniously to the whole. The front is composed of nests of drawers; above which a conventionally designed creeper in wrought iron forms an arch, executed with a richness of ornamental work that is seldom met with. The coats of arms and episcopal hat of Julius Echter, and date, 1762, form the crown.



Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, June 1

DURING the few days of business of the past week the markets have continued generally steady, with trade moving on fairly broad lines and in moderate volume. There is little to comment upon in the PHARMACEUTICAL CHEMICALS markets, with no change in values of importance to record. MERCURIALS and BISMUTH SALTS are unchanged from the recent revisions.

Business in CRUDE DRUGS has been quite good, and it is in this group of products that prices are steadily hardening, due chiefly to the continued low level of stocks and firmer conditions at the primary sources. Values for AGAR, spot and forward, continue to advance, and business has been quite brisk. All reports from the source indicate unusually high prices are to be expected for new crop CURAÇAO ALOES. Cape BUCHU continue firm at the recent advance. Shippers are so far ignoring quite reasonable bids for new crop. CASCARA SAGRADA and are not making any counter offers. COLOCYNTH PULP is steady at the recent improved figures. A move up in spot values of Polish and Portuguese ERGOT seems possible before long. The sharp advance in Sudan GUM ACACIA recorded last week has been followed by a further substantial increase in spot and shipment quotations. Jamaican HONEY continues firm. All high test HYDRASTIS has been sold on spot. More inquiry for Matto Grosso IPECACUANHA. Japanese MENTHOL has had a quiet week. QUILLAI BARK is quoted dearer again. RHUBARB continues firm, with rough round variety in good demand. RUBBER shows a good recovery on the week. No SENEGA on spot. SENNA is steady but quiet. Little business in TRACAGANTH. BEES' WAXES are steady at the advance recorded for some descriptions. Fatty grey CARNAUBA WAX is again quoted dearer.

The ESSENTIAL OILS markets have been mostly quiet this week. ANISE (STAR) is gradually easing off on a dull market. Ceylon CITRONELLA for shipment continues to weaken, with business of no consequence. Australian EUCALYPTUS is firm and supplies here and at the source are restricted. Shipment quotations for Sicilian new crop LEMON have been on a slightly lower level this week, with buyers showing little confidence in the position. Singapore PAT-CROULI is held firm at the recent advances, but business is slow. Japanese PEPPERMINT has been distinctly quiet this week. American TURPENTINE is quoted easier.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	May 25	June 1
Amsterdam ...	Fls. to £	12.107	8.71	8.71
Berlin ...	Mks. to £	20.43	11.66	11.66
Brussels ...	Belgas to £	nominal	27.50	27.50
Copenhagen ...	Kr. to £	18.159	22.40	22.40
Lisbon ...	Esc. to £	110	110	110
Madrid ...	Ptas. to £	25.24½	nominal	nominal
Milan ...	Lire to £	92.46	89	89
Montreal ...	Dols. to £	4.86½	4.69½	4.69½
New York ...	Dols. to £	nominal	4.68½	4.68½
Oslo ...	Kr. to £	18.159	19.90	19.90
Paris ...	Fr. to £	124.21	176½	176½
Prague ...	Kr. to £	164.25	nominal	nominal
Stockholm ...	Kr. to £	18.150	19.40	19.40
Warsaw ...	Zloty to £	43.38	24½	24½
Zurich ...	Frs. to £	25.2115	20.78	20.77

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

A STEADY trade of a routine character is recorded with quoted prices generally unchanged. Mercurials are steady at the reduced prices recorded last week.

ACETANILIDE.—Market is quiet: B.P. crystals and powder quoted at 1s. 7d. to 1s. 10½d. per lb., as to quantity.

AMIDOPYRINE.—Dealers' quotations are keen: crystals, two cwt., 9s. 4d.; one cwt., 9s. 8d.; less than one cwt., 10s. per lb., with powder 2½d. per lb. extra.

AMMONIUM ICHTHIOSULPHONATE.—Scale of prices steady: one cwt., 1s. 6½d., in 14-lb. tins; 1s. 8d., in 1-lb. tins; 1s. 10d., in 8-oz. tins; and 2s. 1d. per lb., in 4-oz. tins.

BROMIDES.—Makers' scales of prices unchanged: POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per

lb. net. Resale clause applies, 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb., at higher prices. Export quotations are maintained as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6d.; one cwt., 1s. 7d. per lb., f.o.b.

ASPIRIN.—Makers' scales of prices continue steady:—

In containers	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
1 lb. and under 4 lb. ...	3 3	3 1½	—	—	—	—
4 lb. and under 7 lb. ...	3 2	3 0½	3 0½	—	—	—
7 lb. and under 14 lb. ...	3 1	2 11½	2 11½	2 10½	—	—
14 lb. and under 28 lb. ...	3 0	2 10½	2 10½	2 9½	2 9½	—
28 lb. and under 1 cwt. ...	2 11	2 9½	2 9½	2 8½	2 8½	2 8
Not less than 1 cwt. ...	2 7½	2 6	2 5½	2 5½	2 5	2 4½
Not less than 5 cwt. ...	2 7	2 5½	2 5½	2 4½	2 4½	2 4
Not less than 10 cwt. ...	2 6	2 4½	2 4½	2 3½	2 3½	2 3

The quotations for aspirin, powder and tablets, are subject to the following conditions:—Buyer not to resell any quantity at prices or terms below the scale for such quantity current at the time the resale is made, and, if he converts the aspirin into tablets, not to sell any quantity of tablets at prices or terms below the scale for such quantity current at the time when he sells the tablets.

CHLORAL HYDRATE.—Makers' prices unchanged: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb.; 28-lb. jars one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—Seasonal business: British material quoted at 1s. 0½d. per lb. less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

CREAM OF TARTAR.—Market is steady.—British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Small business: bulk quantities, in 25-kilo demijohns, 1s. 6d.; small parcels, 1s. 7½d. up to 2s. per lb., ex store.

EPHEDRINE.—Business remains quiet: Hydrochloride, B.P., 4s. 10½d. to 5s. per oz. for minimum 1,000-oz. lots; small quantities, up to 6s. 3d. Pure alkaloid is quoted from 6s. 9d. to 7s. 3d. per oz., as to quantity.

GALLIC ACID.—Steady, small trade: spot, one cwt., 3s.; 56 lb., 3s. 1d.; smaller parcels, up to 3s. 6d. per lb.

GLYCERIN (B.P.).—Makers' prices continue unchanged. The scales are as follows:—

PRICE PER CWT.

Contracts or Spot Lots of	Under 1 cwt.	1 cwt. and under 2½ cwt.	2½ cwt. and under 5 cwt.	5 cwt. and under 10 cwt.	10 cwt. and under 20 cwt.
Minimum deliveries off contract of	—	1 cwt.	1 cwt.	1 cwt.	2 cwt.
Tins, 14 lb. each ...	per cwt.	90/-	85/6	84/6	81/6
Tins, 28 lb. ...	87/-	83/-	82/-	79/-	78/-
Tins, 56 lb. ...	84/-	80/6	79/6	76/6	75/6
Drums, 1 cwt. (charged 20/-)	—	76/-	75/-	72/-	71/-
Drums, 2½ cwt. (" 60/-)	—	—	73/-	70/-	69/-
Drums, 5 cwt. (" 75/-)	—	—	—	69/6	68/6
Drums, 10 cwt. (" 100/-)	—	—	—	—	68/-

Extra per cwt. for smaller deliveries ex contract than as above specified.

Refined pale straw industrial glycerin, 1.260 S.G., 5/- per cwt. less than chemically pure. Without engagement. These prices are subject to alteration without notice.

METHYL SALICYLATE.—Makers' prices unchanged: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 3d.; small quantities, in bottles, up to 2s. per lb.

PHENACETIN.—Average spot business at former figures: crystals or powder, bulk quantities, from 2s. 6d.; smaller parcels, 2s. 7d. up to 3s. per lb., as to quantity.

PHENAZONE.—Market is dull: crystals, five cwt., 6s. 9½d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, up to 7s. 6d. per lb., with powder 2½d. per lb. extra.

PHOTOGRAPHIC CHEMICALS.—Home makers' prices are as follows: AMIDOL.—28 lb., 8s.; 14 lb., 8s. 9d. net; 7 lb., 9s. 6d., in free 7-lb. tins; under 7 lb., 12s. per lb., in free 1-lb. bottles, less 2½ per cent. monthly terms. CHLORQUINOL.—1-lb. bottles, 21s. per lb. GLYCIN.—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. HYDROQUINONE.—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; in 1-lb. bottles, 6s. 6d. per lb. MEIOL.—28 lb., 9s. 6d.; 14 lb., 9s. 9d. net; 7 lb., 10s. 6d., tins free; 3 lb., 12s., bottles free; 1-lb. bottles, 12s. 6d. per lb., bottles free, less 2½ per cent., monthly terms. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 21s. per cwt., 28 lb. for 6s. GOLD CHLORIDE.—15-grain tubes, 45s. per doz. MAGNESIUM POWDER.—10s. per lb. PARAMIDOPHENOL HYDROCHLOR.—8s. 6d. per lb., bottles free. POTASSIUM FERRICYANIDE.—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. POTASSIUM METABISULPHITE.—One cwt., 8d.; 28 lb., 9d.; 14 lb., 10d.; 7 lb., 1s. per lb. PYROGALLIC ACID, CRYST.—One cwt., 7s. 9d.; 56 lb., 8s.; 28 lb., 8s. 3d. net; 14 lb., 9s. 9d.; less than 7 lb., 10s. 3d. per lb., less 2½ per cent., monthly account. Resale in small packages; 1-oz. bottles, 2s.; 4-oz., 5s. 3d.; 8-oz., 9s.; 16-oz. bottles, 16s. 1½d. each, less 33½ per cent. to the trade. RESUBLIMED.—1-oz. bottles, 2s. 6d.; 4-oz., 6s. 6d.; 8-oz., 11s. 3d.; 16-oz. bottles, 20s. 3d. each, less 33½ per cent. to the trade. SODIUM CARBONATE, RECRYST.—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM HYPOSULPHITE, CUBES, CRYST.—5 cwt., 17s.; 1 cwt., 19s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM SULPHIDE (PURE).—7 lb., 1s. 9d.; 1 lb., 2s. per lb., bottles and jars free. SODIUM SULPHITE, RECRYST.—One cwt., 21s. 6d. per cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

QUININE SALTS.—Convention prices continue steady: sulphate, 2s. 3d.; bisulphate, 2s. 3d.; ethyl carbonate, 2s. 11d.; salicylate, 2s. 1½d.; hydrochloride, 2s. 10d.; dihydrochloride, 3s. 1½d.; hydrobromide, 2s. 10d.; dihydrobromide, 3s. 1½d.; valerianate, 3s. 9½d.; phosphate, 3s. 5½d.; hydrophosphate, 4s. 1½d.; alkaloid, 3s. 1½d. per oz., 100-oz. tins free, carriage paid on bulk quantities.

SALICYLIC ACID (B.P.).—Makers' prices steady: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11d.; 7 lb., 2s. 0½d.; 4 lb., 2s. 2½d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Steady, seasonal business: British makers quote at 1s. 1½d. per lb., less 5 per cent. discount, dealers offering foreign materials at competitive prices.

Crude Drugs, etc.

ACONITE ROOT.—Dealers' prices steady; small trade: spot, Napellus, 100s.; Japanese, 77s. 6d. to 80s. per cwt., ex store.

AGAR.—The market continues to advance, both spot and forward, and a good volume of business is reported, including a steady trade to the Continent. Spot, Kobe, No. 1, 4s. 9d. paid and now quoted 4s. 10d. to 5s., as to seller; Kobe No. 2, 4s. 6d.; Yokohama No. 1, 4s. 6d. per lb., ex store, duty paid. Market re-sellers: April-May, Kobe No. 1, 4s. 2d., c.i.f., paid, and May-June, 4s. 3d., c.i.f., asked. Japanese shippers quote Kobe No. 1, June shipment, 4s. 4d. to 4s. 6d., c.i.f.; Kobe No. 2, June-July, 4s. 1½d., c.i.f.

ALKANEI ROOT.—Small spot business, with dealers quoting spot root in the region of 47s. 6d. per cwt., ex store.

ALOES.—Fair demand for Curaçao on spot. The source has offered one or two small parcels of old crop for shipment at 170s., c.i.f., and stated new crop would be at higher figures: Cape, spot, in boxes, 47s. 6d.; shipment, 43s. per cwt., c.i.f. Curaçao, spot, 170s. up to 190s. for livery.

ANTIMONY.—Steady at the recent advance: Chinese, crude, spot, £40 10s.; shipment, June-July, £40, c.i.f. English regulus, £71 per ton, ex store.

BELLADONNA.—Little inquiry, root firm: leaves, 55s.; root, firm and dearer up to 75s. per cwt., spot.

BENZOIN.—Small trade at steady prices: Sumatra is quoted from 72s. 6d. to 90s. per cwt. Siam, medium almonds, £26; bean and pea, £22; pea size, £20 per cwt.

BUCHU.—Shipment and spot prices continue fully steady at recent advances: quotations are at 1s. 3½d. to 1s. 4d., c.i.f. On spot, new crop is held for 1s. 5d. to 1s. 6d. per lb., and old crop, yellowish, 1s. 1½d., and some medium to good old leaves are limited at 1s. 3d., ex store.

CAMPHOR.—Market continues steady, business quiet: Japanese monopoly BB brand, £7 10s. per 100 lb.; Japanese natural, spot, tablets, 2s. 6d.; powder, 2s. 3d.; slabs, 2s. 2½d. per lb., ex store; shipment, tablets, 2s. 2d.; powder, 1s. 10½d.; slabs, 1s. 10½d. per lb., c.i.f. English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz. and ¼ oz., 3s. 6d.

CASCARA SAGRADA.—Very little spot business about. Orders have been cabled out at near 40s., c.i.f., for new crop and have been ignored with no counter offers: spot, 1938 bark, 52s.; 1937 bark, 57s.; 1936 bark, up to 65s. per cwt., ex store, duty paid.

COCONUT (DESICCATED).—Fair business, market steady: spot, fine, 19s.; medium, 19s. 3d. per cwt.; shipment, halves, June-July, 17s. 9d. per cwt., c.i.f.

CLOVES.—Values steady, market quiet: Zanzibar, spot, 8½d.; shipment, June-July, 8d. per lb., c.i.f. Madagascar, in bond, 7½d.; shipment, June-July, 6½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended May 27 were nil, and the deliveries 3, leaving a stock of 789. From January 1 to date the landings of Zanzibar have been 1,522, and the deliveries 1,013. Landings of Madagascar for the week ended May 27 were 20 and the deliveries 1, leaving a stock of 381. From January 1 to date the landings of Madagascar have been 712 and the deliveries 792.

COD-LIVER OIL.—Bergen reports shipment continues steady, with a moderate inquiry being received: finest Lofoten steam refined non-freezing medicinal oil, about 78s. per barrel, c.i.f. London. Small lots, on spot, about 125s. per barrel, ex store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums.

COLCHICUM.—Quiet and quoted at steady prices: root quoted at about 50s. per cwt., and seeds at 11d. per lb., ex store.

COLOCYNTH.—The lowest offers are now about 1s. to 1s. 1d. This week the source reports practically no pulp being brought in.

DAMIANA LEAVES.—Only a small spot trade to report: dealers quoting about 8d. per lb., as to quantity.

DANDELION ROOT.—Occasional limited sized orders reported: good clean Continental root is available and quoted in the region of 70s. per cwt., ex store.

ERGOT.—Spot values are steady: spot, Polish, 3s. 9d.; Portuguese, 4s. 6d. per lb., ex store.

GINGER.—Values improved, market steadier: West African, spot, about 18s. 9d.; shipment, for arrival, 17s. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 65s. to 70s.; medium bold, in bags, 46s.; small grinding, in bags, about 40s. per cwt., c.i.f.

GUM ACACIA.—The market shows a further sharp advance and continues firm with a fair inquiry but not much actual business so far: Kordofan, cleaned sorts, spot, up to 50s.; shipment, up to 46s. 6d. per cwt., c.i.f.

HONEY.—The Jamaican product continues firm and in small supply: spot, Jamaican dark manufacturing, 32s. up to 42s. 6d. per cwt. for pale set. Canadian, about 42s. to 45s. per cwt. Californian, white clover, 47s. 6d., duty paid. Small lots of all descriptions at higher prices.

HYDRASTIS.—All high test root sold, market very steady: U.S.P., spot, 12s. 10½d. to 13s.; shipment, few offers, 12s. 7d. per lb., c.i.f.

IPECACUANHA.—Rather more inquiry with values steady: Matto Grosso, B.P., spot, 6s. 9d. to 7s.; as to test: shipment, offers range from 6s. 4d. to 6s. 6d. per lb., c.i.f. Carthagenia, 5s. per lb., ex store. Matto Grosso, not quite up to B.P. standard, at about 6s. 4½d. per lb., ex store.

LOBELIA HERB.—Business remains quiet: spot parcels in the region of 6½d. per lb., ex store.

LYCOPODIUM.—Fair amount of small inquiry, market steady as quoted: up to 4s. 6d. per lb., ex store, for treble sifted.

MANNA.—Market has been quiet: finest selected flake, in 1-lb. tins, 3s. 3d. to 3s. 6d. per lb., ex store.

MENTHOL.—The Japanese product has been rather quiet: K/S brands, spot, 12s. 4½d. to 12s. 7½d., as to seller. Japanese shippers quote June-July at 10s. 6d., c.i.f., with re-sellers of this position at 10s. 4½d., c.i.f. Chinese, spot, 11s. 4½d.; shipment, July-August, 9s. 7½d., c.i.f. French, duty paid, spot, 10s. 6d.; shipment, 9s. 4d. per lb., c.i.f.

MERCURY.—Spanish-Italian metal continues to be quoted at the sharp reduction notified last week: shipment, 75 dollars per bottle, f.o.b. Continent; spot, £16 4s. per bottle, ex store, London.

OPIMUM.—Market has been quiet: Turkish, 13 per cent., 1s. 2d.; Bulgarian, 15 per cent., 1s. 2d. in original cases; Iranian, 12 per cent., 1s. 1d. per unit, landed and duty paid.

ORANGE PEEL.—Quoted prices are steady: bitter quarters are in short supply and held for 9d. and bitter ribbons for 8d. per lb., ex store.

PEPPER.—Market is steadier with values slightly up on the week: Lampong, in bond, 2½d.; shipment, June-July, 2½d.; August-October, 2d., c.i.f. Tellicherry, spot, 4d.; shipment, May-June, 31s. 6d., c.i.f. Aleppy, spot, 3½d.; shipment, May-June, 31s. 6d., c.i.f. White Muntok, in bond, 3½d.; shipment, June-July, 3½d.; August-October, 3½d., c.i.f. London Terminal Market: Black, May, 2½d.; July, 2½d.; October, 2½d.; White, May, 3½d.; July, 3½d.; October, 3½d.

PIMENTO.—Fractionally easier with the market quiet: spot, 7½d. per lb.; shipment, June, 70s., per cwt., c.i.f.

QUASSIA CHIPS.—Spot quotations are about steady in the region of 18s. 6d. per cwt., ex store.

QUILLAI BARK.—Market is firm and quoted rather dearer: spot, whole bark, about 38s., and crushed, fully 40s. per cwt., ex store.

RHUBARB.—A steady trade in rough round including re-export business; values firm. No shipment offers from the source. Rough round: 2s. 3d. to 2s. 5d., as to quality: Shensi, small to medium, of poorish quality, 5s. 1½d. to 5s. 3d.; Shensi pickings, 4s. 3d. Canton pickings, a few cases only, 3s. 6d.

RUBBER.—Market is showing a good improvement and closes very steady: standard ribbed smoked sheet, spot, 8½d.; June,

8½d.; July, 8½d.; August, 8½d.; September, 8½d.; October-December, 8½d. per lb.

SEEDS.—ANISE.—Spot, duty paid, Spanish, 80s.; Bulgarian, 42s. 6d. CANARY.—Spot, duty paid, Mazagan, 14s. 9d.; Morocco, 14s.; Turkish, 13s.; Plate, 12s.; Spanish, 30s. to 38s. 6d. CARAWAY.—Dutch on spot, 47s. 6d., duty paid; 42s. 6d. quoted, f.o.b. Holland. CORIANDER.—Spot, Morocco, 17s. duty paid and 15s. 6d. in bond. New crop for June-July shipment, 12s. 6d., c.i.f. quoted. CUMIN.—Spot, Malta, 47s. 6d., duty free; Morocco, 46s., duty paid, and 42s., in bond. DILL.—Spot, Indian, 18s. for 11 per cent. FENNEL.—Spot, Indian, 28s. to 31s.; Iran, 25s., in bond. FENUGREEK.—Spot, Indian, 13s.; Morocco, 12s. 6d., duty paid. MUSTARD.—English, 26s. to 33s., according to quality.

SENEGA.—The spot market continues bare of supplies with the values nominal. Shipment offers of new crop may be said to be just a trifle easier with June-July at 2s. 4d., c.i.f. reported paid.

SENNA.—Demand has been of little account, but in view of the small spot stocks values of all descriptions remain quite steady. Tinnevely leaves: The market is very poorly supplied with good green; spot quotations as follows: No. 1 at 7d.; No. 2 at 4d.; No. 3 at 2½d.; No. 4 at 2½d. per lb. Tinnevely hand-picked pods: pale selected at 5½d. to 6d.; darker quality at 3½d. to 4½d. per lb.; f.a.q. pods at 2½d. to 3½d. Alexandrian hand-picked pods: Really fine bold selected continue in small supply, and the crop this season would appear to be of a lower standard than previous crops. Spot quotations for new crop: fair to good greenish No. 1 quality at 4s., 4s. 3d.; No. 2 at 3s. 3d.; No. 3 at 2s. per lb.; old crop pods offering at 1s. to 1s. 6d. per lb., ex wharf, London.

SHELLAC.—Market is steady as quoted, limited business: spot, standard TN orange, 35s. 6d. to 38s. 6d.; June, 36s.; August, 37s.; October, 38s.; fine orange, 52s. 6d. to 77s. 6d.; pure button, 45s. to 47s. 6d. per cwt. For arrival, TN, May-June, 35s., c.i.f.

TRAGACANTH.—Values are unchanged on quotation on a dull market: finest selected white ribbon, £60; No. 1, white, £55 to £57 10s.; No. 2, white, £50 to £53; No. 3, white, £35 to £42 10s.; amber leaf, £32; cleaned amber sorts, £16; brown to amber leaf, £11 10s.; red leaf, £9 to £10; hoggy, £6 to £7 per cwt., ex store.

TURMERIC.—Little activity reported: spot, Madras, finger, 30s. to 31s.; Rajapore, 31s. per cwt.; shipment, Madras, finger, June-July, 26s. 6d., c.i.f. Rajapore, June-July, 27s. per cwt., c.i.f.

WAXES.—“BEES”.—Markets are very steady at the advances recorded and a fair business is reported: Dar-es-Salaam, spot, 100s.; shipment, 97s. 6d., c.i.f. Benguella, 90s., in bond; shipment, 86s. 6d., c.i.f. Conakry, 90s., in bond; shipment, 86s. 6d., c.i.f. Japanese, spot, 67s. 6d., duty paid; shipment, May-June, 57s. 6d. per cwt., c.i.f., for first three brands. Madagascar, f.d.e., 92s. 6d., duty paid; shipment, new crop, May-June, 80s., c.i.f. CARNAUBA.—Market is again dearer and firm: Fatty grey, spot, 147s. 6d.; afloat, 142s. 6d.; shipment, June-July, 142s. 6d., c.i.f. Chalky, grey, spot, 140s.; shipment, June-July, 135s., c.i.f. Primeira, spot, good quality, 190s.; shipment, June-July, 182s. 6d.; Mediana, spot, 180s.; shipment, 177s. 6d. per cwt.

Essential and Expressed Oils, etc.

BUSINESS in these products has been rather quiet during the few days of business since the holidays. Sicilian lemon is rather cheaper for shipment, with little interest shown.

ANISE (STAR).—Quiet on spot, with little or no interest in the shipment market: spot, leads, nominal; tins, 3s. 1½d.; drums, 3s. 0½d. per lb., ex store; shipment, drums, 2s. 8d. per lb., c.i.f.

BERGAMOT.—The Consortium shipment price for new crop oil is unchanged and steady in the region of 15s. per lb., c.i.f., in coppers. Original packages, on spot, about 15s. 3d., and blended oils at cheaper prices.

CAMPBOR.—Japanese and Chinese white oil continue nominal on spot, with no bulk supplies available. Small repacked lots would be worth fully 240s. per cwt. No shipment offers.

CANANGA.—Business slow; spot quotations keen: spot, 4s. 3d. to 4s. 6d., according to quantity and packing; shipment, about 4s. 1d. per lb., c.i.f.

CARAWAY.—Usual spot orders for smallish quantities: Dutch rectified, 7s. 6d. to 8s.; crude, 7s. to 7s. 6d. per lb., as to quantity, landed and duty paid. Russian oil, double distilled, is stated to be quoted from 7s. to 7s. 6d., as to quantity.

CASSIA.—Remains neglected, but fairly steady for good quality oil: spot, leads from 3s. 3d. and drums at 3s. 2d.

CASTOR.—Again dearer and continuing firm: Pharmaceutical, 41s. 6d. per cwt., in barrels, ex store, London. Hull, 2s. per cwt. less. Small quantities packed in cases, 4s. 6d. per cwt. extra.

CITRONELLA.—The Ceylon oil is quoted rather easier, with shipment business poor. Java oil is dull and easy as quoted forward: Ceylon, spot, drums, from 1s. 7d.; smaller parcels, up to 1s. 11d.; shipment, drums, 1s. 3d. per lb., c.i.f., for bulk quantities. Java, spot, drums, about 1s. 7½d.; smaller parcels, up to 2s.; shipment, drums, about 1s. 1½d. per lb., c.i.f.

CLOVE.—Market is quoted steadily, business fair: quotations for English oil vary to some extent: Madagascar, spot, drums, 2s. 7d.

per lb., if available; smaller parcels, up to 3s. 3d. English distilled, 4s. 3d. up to 4s. 9d. per lb., as to quality and quantity, ex store.

EUCALYPTUS.—Continues firm on spot, with shipment offers restricted and at high figures: Australian, 70 to 75 per cent., tins, 1s. 6½d.; drums, 1s. 5½d.; 80 to 85 per cent., tins, 1s. 8½d. per lb., ex store, with higher prices for small lots; shipment, 70 to 75 per cent., tins, 1s. 5½d.; drums, 1s. 5d.; 80 to 85 per cent., tins, 1s. 7½d.; drums, 1s. 6½d. per lb., c.i.f.

HO (SHU).—Difficult to locate bulk supplies on spot; values nominal, with “improved” at about 5s. 6d. to 5s. 9d., and “extra” at 5s. 10½d. to 6s. per lb. for small parcels. No trace of any shipment offers this week.

JUNIFER BERRY.—Average spot demand reported; quoted, as to quality, from about 3s. 3d. up to 4s. 3d. per lb., for limited quantities.

LAVENDER.—Dealers report business is poor, with quotations ranging with the variety of oils offering: French, 38 to 40 per cent., 10s. 9d. to 12s. 6d. per lb., ex store. Lavandin, 4s. 6d. to 5s. 4½d. per lb., as to quality.

LEMON.—There has been little doing so far this week in the shipment market for new crop Sicilian oil: quotations are rather easier in the region of 10s. 3d., 10s. 4½d. and 10s. 6d. per lb., c.i.f. There appears to be little confidence in the market at these figures. Spot values vary according to quality of the oil offered. Californian oil, distilled, regular quality, is quoted unchanged at 1 dollar 29 cents per lb., landed, in small drums.

LEMONGRASS.—Shipment market is slack: spot, 1s. 7½d. to 2s., as to quantity; shipment, about 1s. 5½d. per lb., c.i.f., with distant positions indicated at a premium.

LIME.—Business continues on a fair scale, with values tending to improve further: West Indian distilled oil, spot, from 13s. 6d. up to 14s. 6d. per lb., as to quantity, tending dearer.

LINSEED.—Market is quoted rather dearer, closing quiet: raw, naked, spot, in small quantities, 27s. 7½d. per cwt.; July-August, in bulk, 25s. Boiled oil, spot, 30s. 3d. per cwt.

MANDARIN.—Interest in this article continues, and good oil is steady as quoted from 14s. 6d. to 15s. 6d. per lb., as to quality and quantity; shipment, 14s., c.i.f.

NUTMEG.—Usual small spot trade: Dutch and American, from 5s. 4½d. to 5s. 9d. per lb., as to quantity.

OLIVE.—Values tend to ease from the recent improvement: B.P., 1 per cent., 6s. per gallon, in drums. Edible quality, ten 1-gallon tins, in cases, 82s.; twenty ½-gallon tins, in cases, 84s. per case; drums, 6s. 3d. per gallon, ex store.

ORANGE.—The spot market for French Guinea oil continues steady and, except for old oil, prices are held at 2s. 9d. for drums and up to 3s. to 3s. 3d. for repacked in tins. A fair trade is reported. Brokers report very few shipment offers from the source: the last quotations were fully 2s. 4d. per lb., c.i.f., in drums. Californian, small drums, 59 cents; two or more cases, 61 cents per lb., ex store. Florida, cold-pressed, is quoted cheaply at 70 cents per lb., in drums, c.i.f., London.

PALMAROSA.—Market is without feature, quoted unchanged: spot, about 8s. per lb. for bulk quantities; shipment is at about 7s. 4½d. per lb., c.i.f. Java oil is available at about 4s. 3d. per lb., ex store.

PATCHOULI.—General conditions in this market are firm, but buyers are not much in evidence. Supplies here of Singapore are distinctly limited, and there are no shipment offers from this source or from Java: Singapore, spot, 11s. 3d. to 11s. 6d.; shipment, nothing definite offered. Seychelles, spot, from 8s. 6d. to 8s. 10½d. Java, about 9s. 3d. per lb.

PEPPERMINT.—The market has been dull and values show no marked change: Japanese, spot, 4s. 5d. to 4s. 6d. No afloat parcels offering. Shippers quote June-July, 4s. 2½d., c.i.f., and report market likely to advance. Re-sellers of May-June at 4s. 1d., c.i.f. Chinese, spot, 4s. 4½d. American natural oil, in drums, is unchanged and quiet: quoted at 2 dollars 15 cents to 2 dollars 25 cents per lb., c.i.f., with high-grade oil limited in quantity.

ROSEMARY.—Market rather quieter, quoted unchanged: Spanish quoted at 3s. to 3s. 6d. per lb., as to quality and quantity. Tunis, 2s. 6d. to 2s. 8d. per lb., landed, as to quantity.

SANDALWOOD.—Genuine East Indian Mysore, in one-case lots, steady at 20s. 6d. per lb. East Indian, produced outside the province of Mysore, 17s. to 18s. per lb., c.i.f., in bulk quantities. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb. for 7-lb. tins, one case at 14s. 9d. and five cases at 14s. 6d. per lb.

SPIKE.—Business quiet, and there seems to be no dearth of oils of varying qualities, but the genuine Spanish product is steady at about 5s. to 5s. 6d. per lb., ex store. Blended oils at cheaper figures.

TI-TREE.—Continues firm and in small supply: spot, from 55s. to 57s. 6d. per gallon, ex store; very few shipment offers.

TURPENTINE (AMERICAN).—London stocks on May 27 totalled 17,791 barrels: spot, London, 32s. 9d.; Hull, 34s. 3d.; Liverpool, 34s. 9d. per cwt.

VEHIVERT.—Bourbon, spot, 14s. 9d. to 15s. 3d.; Java, about 13s. per lb., ex store.

WORMSEED.—Remains quiet, with some quotations competitive: U.S.P. oil, spot, about 9s. 9d.; shipment, 9s. 6d. per lb., c.i.f.

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

C.F. Products in Rural Areas

SIR,—A question has been raised regarding the supply of Chemists' Friends goods in rural areas. The answer is a simple matter. As with other necessities, villagers get them from the nearest or most convenient available source. Where there is not a public house, an unlicensed person is not permitted to act as a licensed victualler, neither is one allowed to act as a medical practitioner if a doctor is not available. The same applies to other services and professions, and now to pharmacy. An authentic case of real difficulty could be referred to the Chemists' Friends Association. There can be few if any places in this country where there are not carrier services by rail, sea or road, while H.M. postal services extend everywhere.—Yours faithfully,

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Involved Terminology

SIR,—It seems to me a matter of regret that the harmony which prevails in the professional relationship between physicians and pharmacists should, from time to time, become jeopardised by adverse, indeed subversive, criticism which cannot endure in the light of analysis. It is therefore in a spirit of conciliation rather than with denunciatory dialectics that I would attempt to rebut the charge in the editorial article of THE CHEMIST AND DRUGGIST, May 27, p. 579, that medical terminology and nomenclature are confused, ambiguous or irresponsibly esoteric. While the insinuation is not made in these precise terms, at least such is the inference naturally drawn. To those unfamiliar with the facts of medical science, comprehending, *inter alia*, anatomy, physiology and pathology, the multitude of words identified therewith may appear ridiculously redundant. Yet in truth a marked paucity of descriptive words daily grows more evident. As research progresses appropriate terms must be found to render revealed phenomena intelligible to the uninitiated. How otherwise may facts be recorded save in the currency of words coined in the mint of scientific necessity? Terminology is evolved to clothe a fact and not to cloak it. That Greek roots are chosen, finally to flourish as delineable data, should be accepted without demur, for no other language is more adaptable to the niceties of correlated principles.

"Though old the thought and oft expressed
'Tis his at last who says it best."

It ought not to be overlooked that the polysyllabic ponderosity of the terms in question, however unwieldy by synthesis, at least conveys a clear description. Two words assailed in the editorial afford an illustration of a commonplace phenomenon—dissolution of cells in the blood—as opposed to that of cells elsewhere. Cythæmolysis and hæmatocytolysis, it is admitted, are synonymous expressions—independent investigators having synchronously observed the same phenomenon. "Two minds with but a single thought," here, had produced identical terminology, albeit with syllables transposed, illustrating the need for terms, apparently pedantic, as a vehicle of scientific communication. Nor is this peculiarity of expression confined to the realm of medicine. Pharmacy, too, if it be a fault to employ unusual and synonymous words, is no less culpable. To the uninformed paregoric would seem a misnomer for compound tincture of camphor; and who but our brethren could recognise soap liniment masquerading under the pseudonym of opodeldoc? To discuss *seriatim* the words under hostile editorial review would be unduly to absorb limited space, but while it is not denied that sometimes a plurality of words convey but a single idea or imply a solitary condition, often subtle differences or distinctions are discoverable to the elect. To take at random the four words derived from "sclera," three distinct conceptions must be obvious to any doctor. Involved terminology is characteristic of every science; of philosophy, mental and moral; of trades, mechanical and manual; of music; of metaphysics; even of literature itself. Logic abounds in expressions meaningless to all unacquainted with the rules of reasoning. The "Bench and Bar," to which

learned profession the editorial animadverts, is, *par excellence*, the sphere wherein strange diction directs its observances. To those without the pale of the profession its incomprehensible language adds to the obfuscation of anxious litigants. During lectures the axioms and fundamentals of law are inculcated through the medium of early Saxon, feudal French and unclassical Latin. Doctors are not overburdened by any surfeit of terminology. The language of the clinic is as easy and free—without being free and easy—as that of the dispensing department or the laboratory of therapeutic research. Specialists in different branches of our profession are equipped with a vocabulary—almost a vernacular—peculiar to themselves, though rarely is it heard in court. Your correspondent seldom is asked for technical explanation or to supply intricate detail—yet if so the perplexity of the friendly Bench can be dispelled by terms which yield nothing in patience and politeness to those in which the request for full information was made. It is not contradicted that judicial irony, of which the editorial makes mention, may occasionally supervene upon a conflict of professional opinion. But it must be remembered that judicial judgment is not infrequently repealed, a verdict reversed and a conviction quashed.—I am, Sir, etc.,

JOHN SHIEL,
L.R.C.P., L.R.C.S., L.M., Ph.C.,
Barrister-at-Law.

Dublin.

A Budget Ramp

SIR,—I have read with interest Mr. Blake's reply in your issue of May 20 (p. 563) to my letter in the C. & D., May 13 (p. 538). I much regret that my calculations were based on a duty of 4d., which should have been, in fact, 4½d. We can now work out the duty again, while being over generous to Mr. Blake—taking the duty as 2½d. for each 120 spool, thus:—

Old Prices				£	s.	d.
Twelve doz. "20" films	...	...	...	7	4	0
Less 30 per cent. discount	...	...	...	2	3	2
Original cost	...	...	...	5	0	10
New Prices				£	s.	d.
Twelve doz. "20" films at 1s. 3d.	...	...	...	9	0	0
Less 25 per cent. discount	...	...	...	2	5	0
				6	15	0
Less tax payable by manufacturers at 2½d. (not 2¼d.)	...	...	...	1	10	0
				5	5	0
Less old prices as shown above	...	...	...	5	0	10
Increased gain by manufacturers	...	...	...	4	2	

This shows an increased profit of at least 4s. 2d. per gross or £1 os. 10d. on a five-gross carton. On chrome and pan film the profit is further increased. I sincerely trust Mr. Blake will reconsider the position, and that manufacturers will give us back some of our legitimate profit. A 5 per cent. settlement discount would ease the tension. Will Mr. Blake reply and give his further views on this question of reduced discount? If I have made a mistake I am open to correction.

Yours faithfully,

GORDON LOCK.

Grimsby.

Initialling Overdoses

SIR,—The letter of Mr. Bernard Wright on the "Thoughtlessness of Medical Men" (C. & D., May 20, p. 563) gives expression to a problem which besets all dispensing chemists. The question, of course, is whether the dose prescribed is intentional or not. It is a commonplace that in some severe conditions B.P. doses are exceeded, particularly with such

drugs as morphine or ergot, which Mr. Wright mentions. If the pharmacist is aware of the circumstances, and is familiar with the methods of the prescriber, he can probably judge that the unusual dose is intended and quite in order, but when he is not he must not make himself responsible for dispensing an undue quantity, even if he knows it is often given in special cases. He is therefore compelled to get a confirmation. On one occasion I had to telephone a doctor concerning a prescription for a one-per-cent. solution of a substance of which the standard strength was 1 in 1,000. The doctor was so certain I was wrong that he asked me to wait whilst he looked it up; needless to say with the anticipated result, as I had made sure of the strength before referring it back. In some countries the marking or initialling of unduly large doses is compulsory, and it should be so here.—Yours faithfully,

OVERDOSE (20/5).

The Inevitable Result

SIR,—It is obvious that proprietary medicine manufacturers are already laying plans to take full advantage of the opportunities offered to them by the repeal of the medicine-stamp duties. I observe, in the financial column of my Sunday paper, that, in a comment on the activity in the shares of a company that manufactures a well-known group of proprietary medicines with a popular sale, a "special reason" for the rise in price was given, namely, the decision said to have been taken to establish sections for the sale of all the various products controlled by the company "throughout the Woolworth chain of over 730 shops." This has been made possible, it is explained, "by the abolition of the licence duty on patent medicines included in the budget. It means, as will readily be recognised, a remarkable extension of the facilities available to the public for obtaining these goods." It certainly does, and some of us whose living is affected would like to know what the Pharmaceutical Council and the National Pharmaceutical Union are doing about it.—Yours faithfully,

ALARMED (22/5).

Medicine and Duty

SIR,—I am glad Mr. Laird Parker (*C. & D.*, May 27, p. 588) qualifies his fictitious example of Dr. Blank's pills and their reduction in price with the word "presumably." I think a great deal of presumption is needed to imagine that retail prices of 1s. 3d. stamped proprietary medicines will immediately drop to 1s. after September 1, and that wholesale prices will be lowered in the same ratio by 3s. a dozen. I imagine few chemists expect any difference to be made in the regular prices, either retail or wholesale. Those manufacturers who practised destamping made no difference in retail prices, although their excuse was, no doubt, that their remedies could not be priced at 1s. in a qualified chemist's shop whilst sold at 1s. 3d. by unqualified traders. Nor did they lower the wholesale price in accordance with the cost of the stamp. In some instances it was reduced by about threepence a dozen and in others there was no reduction at all, and there is no reason to suppose that any different policy will be adopted when the tax is removed.—Yours faithfully,

PRESUMPTIVE (26/5).

Pharmacists and an Emergency

SIR,—I support your remarks in "Busy Times Ahead" (*C. & D.*, May 27, p. 579), especially in regard to the position and duties of pharmacists in war. The evacuation of the population from dangerous areas to less populous districts will call not only for an increased demand for drugs and disinfectants, but also for an augmented service, and consequently for a greater number of chemists in those areas. There has been an excellent response to the call for the national reserve of pharmacists. Admittedly, many members of the Society are proprietors or managers of pharmacies, who will be expected to follow the instruction to remain in their businesses, but there must be a considerable proportion who will be free to undertake emergency jobs. Any chemist who is available and has volunteered for emergency work should have his definite place allotted to him, so that he can proceed to it at once without waiting for instructions after the trouble has started, thus avoiding the confusion and delay which is otherwise bound to ensue.—Yours faithfully,

VOLUNTEER (27/5).

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

D. T. E. (24/5).—NON-POISONOUS KILLING BOTTLE.—Many collectors of insects use a bottle partially filled with blotting paper onto which a few drops of ether are poured.

W. M. N. (24/5).—LABARRAQUE'S SOLUTION.—The following formula is taken from the French Codex (sixth edition, 1937):—

Chloride of lime	..	..	20 gm.
Sodium carbonate (crystallised)	..	..	40 gm.
Distilled water, sufficient to produce	..	..	1,000 gm.

Triturate the chloride of lime in a mortar, adding an equal weight of water gradually. Add a further equal quantity of water, then decant from the heavier deposit particles. Triturate the residue with another quantity of water, decant again and continue thus until two-thirds of the total amount of water has been used. Dissolve the sodium carbonate in the remainder of the water, then mix the two solutions, allow to settle and filter.

R. W. L. (25/4).—ARTIFICIAL SUNTAN PREPARATIONS.—The following are examples of preparations which impart an artificial suntan to the skin:—

Oily type			
Arachis oil	..	..	60 gm.
Olive oil	..	..	38 gm.
Bergamot oil	..	..	1 gm.
Oil-soluble suntan dye	..	..	q.s.
Cream type			
Stearic acid	..	..	8.25 gm.
Sodium carbonate	..	..	1.0 gm.
Solution of ammonia (0.880)	..	..	0.5 c.c.
White soft paraffin	..	..	0.5 gm.
Glycerin	..	..	16.0 gm.
Water	..	..	30.0 c.c.
Preservative	..	..	0.1 gm.
Suntan colour	..	..	q.s.

Armenian bole and golden ochre can be used as the colouring in the cream, and should be first rubbed down with the water to a smooth paste. The procedure is then the same as for a vanishing cream.

A further type containing a water-soluble dye is as follows:

Cetyl alcohol coml.	..	..	1 dr.
Cholesterol	..	..	10 gr.
Spirit	..	..	2 dr.
Water	..	..	to 3 oz.
Water-soluble dye	..	..	q.s.

Spirituos lotions containing varying proportions of spirit and water, perfume and water-soluble dye are also used for producing artificial suntan.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," June 1, 1889

The British Pharmacopœia

From the pharmacists' point of view the most important matter which came before the General Medical Council at its meeting this week was the "Report for 1888 on the British Pharmacopœia, 1885," by Professor John Attfield, F.R.S., the Reporter to the Pharmacopœia Committee. This is the third report which Dr. Attfield has drawn up. Its object is to keep the Council posted in regard to pharmaceutical progress which has a direct relation to the British Pharmacopœia. The criticisms, the suggestions, and the improvements upon official methods are, after a mysterious process of sifting and winnowing, here served up in the space of sixteen pages, a goodly portion of which is reply to criticism. In the prefatory letter addressed to the Pharmacopœia Committee the Reporter again comments on the developments in original research which have been furthered by public bodies, and here, as elsewhere in the report, the "staff of the Research Laboratory of the Pharmaceutical Society" gets ample recognition, while the British Pharmaceutical Conference and its Formulary are duly recognised, and "a fourth" body, the Royal College of Physicians, Edinburgh, is mentioned as having undertaken work which will indirectly have pharmacological interest.

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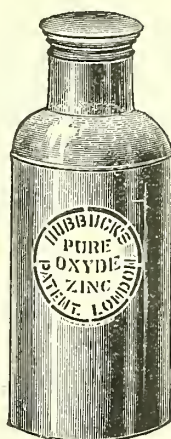
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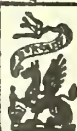
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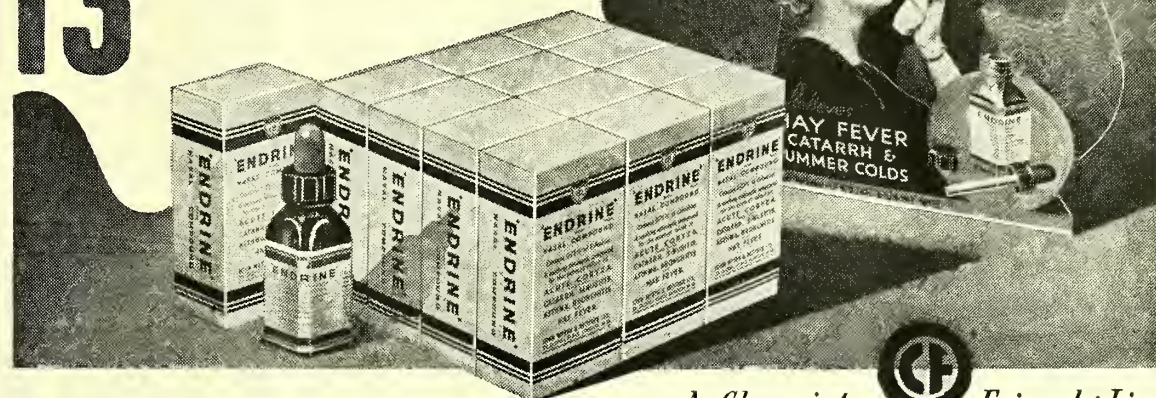
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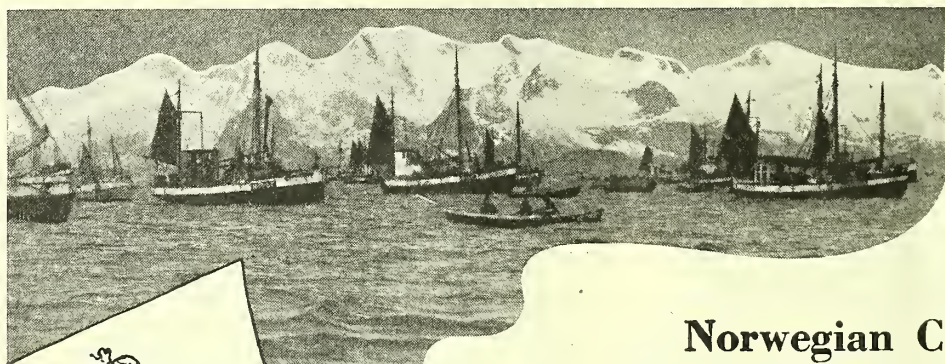
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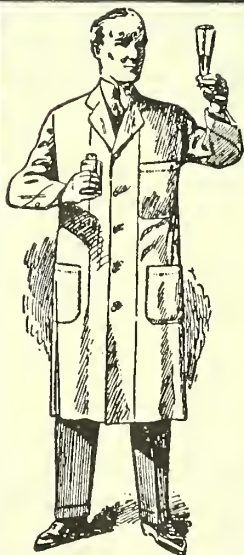
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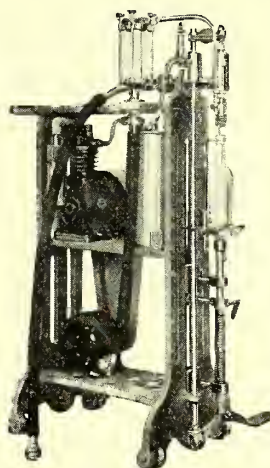
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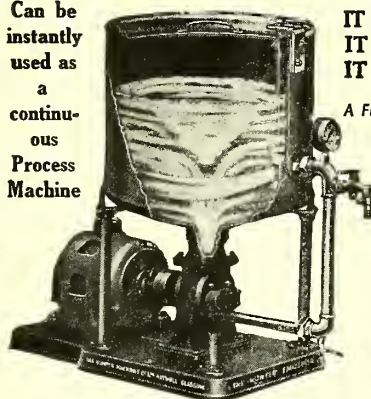
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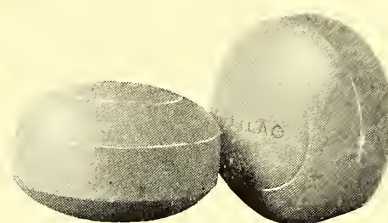
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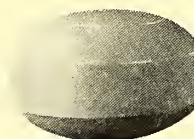


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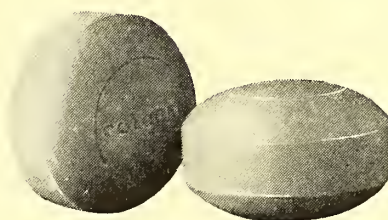


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